

LOUISIANA

AIRPORTS ECONOMIC IMPACT STUDY



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

June 2015

LOUISIANA AIRPORTS ECONOMIC IMPACT STUDY

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January 2014

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Section 1. Introduction

Aviation has helped transform the way people and goods move around the world. It has brought distant markets together and made a global economy possible. Air travel brings benefits to countries with robust air transportation systems by providing access to markets that would otherwise be unavailable. The same is true in the U.S. at the state and regional level – airports and the linkages they provide help to drive economies in those states. They do so by providing vital connections that enable businesses to function more capably, by allowing visitors to easily travel long distances, and by improving the quality of life for people, both directly and indirectly. In Louisiana, airports and aviation provide services that support and stimulate economic activity across the state. The Louisiana Department of Transportation and Development's Aviation Section completed this study to measure the value airports and aviation-related activities bring to Louisiana. The *Louisiana Airports Economic Impact Study* shows how much Louisiana benefits from aviation, and the extent to which airports act as economic engines for their communities. The study also documents various ways air transportation is used in Louisiana and other benefits that air transportation supports.

Airports are a significant part of the Louisiana economy. To begin with, quality air transportation is a key driver in attracting and retaining business. Companies rely on aviation to move people and goods in a timely manner, which enhances the products and services they bring to market. For example, air taxis and charters operating from airports along Louisiana's Gulf Coast are essential links to the numerous oil platforms operating in the Gulf of Mexico.

To keep these valuable infrastructure assets operating efficiently, capital improvement projects are undertaken every year. These airport investments boost the local and regional economies where they take place, while ensuring that high quality facilities are available.

In addition to augmenting business operations, airports in Louisiana promote the state's tourism industry. The Louis Armstrong New Orleans International Airport gives millions of annual visitors the chance to enjoy the culture and offerings of New Orleans and the Mississippi Delta region. Other airports around the state make it possible for visitors to experience many of the state's parks and historic sites. During these trips, visitors spend money locally on food, lodging, and other items in mutually beneficial transactions. Residents of Louisiana use airports for travel, connecting them to family and friends and tourist destinations through the convenience of modern air travel.

Beyond business and tourism, aviation brings other benefits to Louisiana's residents. Airports facilitate the movement of patients to and from medical centers. Aircraft use Louisiana airports to apply pesticides to crops. Military aviators use Louisiana's airports to hone their flying skills. Search and rescue flights are flown from these airports as well. Airports help to support services which are vital to all citizens in Louisiana. Even if they never use an airport directly, citizens benefit from an improved quality of life that air transportation helps to support. Through simple things such as package delivery and the ability to visit family and friends, aviation in Louisiana helps promote safer, healthier, and more productive lives.

This study identifies the economic benefits, quantified in terms of employment, payroll, and economic output, associated with the seven commercial service and 61 general aviation airports that serve communities throughout Louisiana.

Section 2. Study Summary

Airports in Louisiana support the air travel needs of Louisiana residents, businesses, and visitors and the state is fortunate to have 68 public-use airports that support this function, as well as act as economic engines for regional economies. **Figure 2-1** depicts the location and general classification of each of these airports. This study highlights the important economic contributions that Louisiana realizes from its airports by quantifying employment, payroll, and total economic activity associated with these airports. The analysis considers the annual economic benefits accrued in 2011 associated with airport activity, on-airport construction, visitors who arrive via commercial airlines and visitors who arrive on general aviation aircraft. The results of this analysis are reported for the state as a whole in this document, along with the results of individual airports, which can be found in the appendix.

The Louisiana system of airports analyzed in this study consists of seven commercial service airports and 61 general aviation airports. The Louisiana Department of Transportation and Development Aviation Section oversees these airports as part of its mission to support the safe and efficient creation, improvement, and continued operation of Louisiana's aviation facilities. The Aviation Section pursued this economic impact study in order to quantify the economic impacts of the aviation system that it oversees.

This study found that the system of 68 public-use airports in Louisiana has a substantial economic impact on the state. In brief, the 68 airports:

- Supported approximately 58,900 jobs
- Generated \$1.8 billion in annual payroll
- Produced \$6.7 billion in annual economic output

These numbers include expenditures by hundreds of on-airport businesses and millions of visitors, as well as the multiplier effect associated with this spending. In addition, Louisiana residents depend on aviation to support their health, welfare, and safety needs.

Table 2-1 lists the total employment, payroll, and output for the 68 Louisiana study airports. These economic benefits reflect the diverse range of impacts of airport-related activity, from the aircraft painting work performed by AvEx at Acadiana Regional Airport where approximately 100 workers are employed, to The Skydive Experience, a part-time skydiving business based at Vivian Airport. More detailed tables that break down the information summarized in Table 2-1 can be found in the appendix at the end of this report.

Airports also provide community benefits in forms other than jobs, payroll and economic activity. This report highlights some of the positive impacts that are not easily assigned a number value, such as life-saving medical flights.

Figure 2-1: Louisiana Airports Included In Economic Impact Analysis



Source: CDM Smith.

Table 2-1: Total Economic Impacts for Louisiana Airports

	Associated City	Airport Name	Total Employment	Total Payroll	Total Output
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	1,344	\$44,439,000	\$144,072,300
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	3,109	\$105,233,500	\$344,725,900
	Lake Charles	Lake Charles Regional	1,612	\$52,537,100	\$223,981,700
	Lafayette	Lafayette Regional	4,340	\$202,493,800	\$1,106,246,100
	Monroe	Monroe Regional	816	\$27,770,600	\$93,225,700
	New Orleans	Louis Armstrong New Orleans International	35,621	\$936,897,200	\$3,556,298,700
	Shreveport	Shreveport Regional	2,704	\$89,918,300	\$313,377,500
Commercial Service Airports Total			49,546	\$1,459,289,500	\$5,781,927,900
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	136	\$3,350,700	\$10,112,500
	Alexandria	Esler Regional	132	\$4,992,000	\$6,140,400
	Arcadia	Arcadia-Bienville Parish	4	\$116,700	\$294,900
	Bastrop	Morehouse Memorial	30	\$837,300	\$2,973,300
	Bogalusa	George R. Carr Memorial Air Field	44	\$1,114,600	\$4,703,300
	Bunkie	Bunkie Municipal	3	\$87,100	\$239,500
	Columbia	Columbia	7	\$181,300	\$480,900
	Coushatta	The Red River	11	\$472,900	\$1,670,700
	Covington	St. Tammy Regional	35	\$887,800	\$2,845,500
	Crowley	Le Gros Memorial	76	\$2,261,100	\$8,630,500
	De Quincy	De Quincy Industrial Airpark	14	\$372,200	\$1,632,900
	De Ridder	Beauregard Regional	24	\$664,600	\$1,996,000
	Delhi	Delhi Municipal	5	\$138,500	\$357,700
	Eunice	Eunice	23	\$715,000	\$2,497,000
	Farmerville	Union Parish	9	\$155,300	\$654,600
	Franklinton	Franklinton	1	\$43,100	\$88,300
	Galliano	South Lafourche Leonard Miller Jr.	346	\$11,396,000	\$57,165,300
	Gonzales	Louisiana Regional	176	\$4,775,200	\$14,503,400
	Hammond	Hammond Northshore Regional	776	\$29,674,100	\$70,756,100
	Homer	Homer Municipal	8	\$168,200	\$658,300
	Houma	Houma-Terrebonne	597	\$17,051,600	\$77,181,700
	Jeanerette	Le Maire Memorial	17	\$486,900	\$1,946,200
	Jena	Jena	11	\$285,300	\$893,900
	Jennings	Jennings	147	\$3,649,200	\$13,358,200
	Jonesboro	Jonesboro	9	\$244,900	\$777,400
	Jonesville	Jonesville	88	\$2,358,200	\$9,006,500
	Lake Charles	Chennault International	3,030	\$104,484,600	\$339,273,600
	Lake Providence	Byerley	5	\$137,600	\$468,200
	Leesville	Leesville	15	\$378,400	\$1,566,800
	Mansfield	C.E. "Rusty" Williams	18	\$527,800	\$1,815,500
	Many	Hart	6	\$164,800	\$546,600
	Marksville	Marksville Municipal	5	\$137,600	\$468,200
	Minden	Minden	27	\$879,900	\$4,013,300
	Natchitoches	Natchitoches Regional	45	\$1,331,800	\$4,844,300
	New Iberia	Acadiana Regional	1,101	\$29,833,100	\$94,309,100

Associated City	Airport Name	Total Employment	Total Payroll	Total Output
New Orleans	Lakefront	614	\$24,414,100	\$66,569,000
New Roads	False River Regional	117	\$3,157,900	\$10,258,700
Oak Grove	Kelly	19	\$383,300	\$1,395,100
Oakdale	Allen Parish	60	\$1,742,000	\$8,331,200
Olla	Olla	14	\$424,300	\$1,517,400
Opelousas	St. Landry Parish-Ahart Field	39	\$1,020,200	\$3,654,400
Patterson	Harry P. Williams Memorial	435	\$11,526,800	\$45,797,100
Pineville	Pineville Municipal	36	\$758,500	\$2,372,800
Pollock	Pollock Municipal	11	\$296,900	\$1,003,000
Rayville	John H. Hooks Jr. Memorial	17	\$438,500	\$1,410,900
Reserve	St. John the Baptist Parish	7	\$324,300	\$1,114,200
Ruston	Ruston Regional	93	\$2,451,600	\$9,012,400
Shreveport	Shreveport Downtown	287	\$8,113,200	\$24,236,500
Slidell	Slidell	312	\$9,586,600	\$25,419,200
Springhill	Springhill	5	\$137,600	\$513,100
St. Joseph	Tensas Parish	7	\$189,600	\$586,600
Sulphur	Southland Field	65	\$2,608,500	\$9,219,700
Tallulah	Scott	16	\$361,300	\$875,000
Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	61	\$1,751,900	\$5,428,100
Thibodaux	Thibodaux Municipal	10	\$258,900	\$589,600
Vidalia	Concordia Parish	21	\$513,300	\$2,220,300
Vivian	Vivian	10	\$260,400	\$858,900
Welsh	Welsh	16	\$227,500	\$813,400
Winnfield	David G. Joyce	10	\$203,700	\$488,200
Winnsboro	Winnsboro Municipal	24	\$733,400	\$2,302,900
Woodworth	Woodworth	20	\$579,600	\$1,898,400
General Aviation Airports Total		9,307	\$296,819,300	\$966,756,700
All Airports Total		58,853	\$1,756,108,800	\$6,748,684,600

Source: CDM Smith and IMPLAN.

Section 3. Study Approach

The total economic impact of the airports in this analysis is measured using a process that has been used in numerous other economic impact studies and is well regarded by the FAA. The structured and measured approach taken to enumerate all of the aviation-related activities found at Louisiana's airports is explained in the following sections.

3.1 The Economic Modeling Process

All economic impacts from the 68 airports considered in this analysis were calculated using an input-output model. The input-output model describes three types of impacts.

- **Direct Impacts** – Direct impacts account for the initial point where the money from aviation-related activity first starts circulating in the economy. This includes impacts that result from on-airport activity and visitor spending. On-airport activity includes the benefits associated with businesses and government organizations located at the airport, which are directly related to the provision of aviation services. On-airport impacts include the employment, payroll, and spending of businesses such as fixed base operators (FBOs), flight schools, aircraft repair facilities, and airport management and operations staff. Capital expenditures of these businesses and government organizations are also included in direct impacts. Visitors contribute to direct impacts through their off-airport spending (any on-airport spending by visitors is included in the on-airport impacts), such as might take place at restaurants or hotels. Direct impacts serve as the inputs for the economic model.
- **Multiplier Impacts** – Multiplier impacts result from the re-circulation and re-spending of direct impacts within the economy. This re-spending of money can occur multiple times and takes two forms – indirect and induced. Indirect impacts occur when businesses spend their revenue on business expenses, whereas induced impacts occur when employees spend their earnings on goods and services. For example, as airport employees spend their salary for housing, food, and services, those expenditures circulate through the economy resulting in increased spending, payroll, and employment throughout Louisiana. As this money is spent over and over again, some of it leaks beyond the boundaries of Louisiana, and thus no longer benefits the state's citizens. The economic model uses parameters specific to Louisiana to estimate the leakage effect associated with these multiplier impacts. Multiplier impacts are the output of the economic model.
- **Total Impacts** – Total impacts are the sum of all direct and multiplier economic impacts attributable to an airport or the system of airports.

Direct impacts are measured through surveys of businesses, government units, and visitors. Because multiplier impacts are not as easy to measure as direct impacts, it is important to employ a reliable method of estimating multiplier impacts. A leading method used to estimate multiplier impacts is the input-output model.

The Impact Analysis for Planning (IMPLAN) input/output model was used to quantify multiplier impacts in this study. IMPLAN is a linear model that estimates purchases and sales between hundreds of sectors of the economy. The U.S. Forest Service, in cooperation with several other government agencies, initially developed the IMPLAN system to generate regional non-survey input-output models

for regions as small as a single county. This modeling process is considered one of the leading methods currently available for estimating the total economic impact of an industry and has been used to estimate economic impacts for individual airports and systems of airports throughout the country.

The IMPLAN model contains a large economic database used to generate input-output tables. It includes data from sources such as Dun and Bradstreet, the U.S. Department of Commerce, and the U.S. Census Bureau. IMPLAN multipliers and data tables specific to Louisiana's industrial sectors were obtained and used in this analysis. The IMPLAN input-output model used for this analysis requires direct impact estimates for three separate measures of the economy. These measures of economic impact are:

- **Employment** – Employment is based on the total of full-time jobs plus part-time jobs. In this analysis, two part-time positions are the equivalent of a single full-time position.
- **Payroll** – Payroll represents the annual salary, wages, and benefits paid to all employees.
- **Output** – Output for on-airport activities is typically assumed to be the sum of annual gross sales. While this assumption works well for profit-oriented tenants, it must be modified for organizations that do not generate sales, such as government tenants or corporate flight departments. In order to estimate the impact of these important tenant-related activities, output is assumed to be the sum of payroll and operating expenditures. While airlines do generate sales, ticket revenue is usually transferred outside the area being modeled. This makes it difficult to assign that revenue to specific airports, so airlines are treated in a manner similar to organizations that do not generate sales. Output related to capital improvement projects is equal to the expenditures on those projects. For visitors using an airport, output is assumed to equal visitor spending.

It is important to note that payroll and output cannot be combined because elements of economic benefit related to payroll are also contained, to some extent, in the output estimate. Each of the three impact components (employment, payroll, and output) stands alone as a measure of an airport's total economic impact.

A number of data collection efforts were undertaken to gather information related to economic activity occurring at the Louisiana airports considered in this analysis. These data were inputs to the modeling process to identify total economic impacts. The following groups were part of the data gathering effort to estimate direct impacts:

- **On-Airport** – This group includes airport tenants that are businesses with employees, such as airlines, FBOs, flight schools, concessionaires, and airport restaurants. Also included in this group are governmental agencies, such as public airport sponsors, air traffic controllers, other Federal Aviation Administration (FAA) units, as well as various other state and federal agencies.
- **Construction Impacts** – Each year, airports undertake capital improvement projects (CIP), such as runway rehabilitation or terminal improvements. In addition, businesses and other agencies undertake capital improvement projects. These projects employ people in jobs such as construction, architecture, engineering, and consulting.

- **Commercial Service Visitors** – This group consists of estimated visiting passengers (those deemed not local residents) arriving via commercial airlines. Average visitor spending for this group was estimated from various studies of Louisiana tourism and comparison to average spending of commercial service visitors found in other economic impact studies.
- **General Aviation Visitors** – Impacts from general aviation visitors are produced by non-local passengers arriving via private or business aircraft. General aviation visitors make up the portion of each airport’s general aviation operations that leave the airport’s local airspace, termed itinerant operations. Some itinerant operations at an airport are conducted by residents of the airport’s market area who fly their planes to distant locations and subsequently return to their home airport. The remaining itinerant operations are attributed to visitors. Itinerant operations performed by visitors are called true transient operations. Impacts for this group were estimated using survey data from pilots and passengers visiting airports across Louisiana. IMPLAN multipliers specific to Louisiana were then applied to direct impacts to estimate subsequent multiplier economic impacts.

Summary of Economic Impact Terms		
<u>Types of Impacts:</u>	<u>Measures of Economic Impact:</u>	<u>Economic Impact Categories:</u>
Direct	Employment	On-Airport
Multiplier	Payroll	Capital improvement projects
Total	Output	Visitors
<p>These terms are combined to focus on specific segments of economic impact. For example, the <i>direct employment</i> from <i>on-airport</i> impacts describes the jobs found among the businesses and management on the airport. The <i>multiplier output</i> from <i>visitors</i> describes the expenditures made by businesses supported by the spending of visitors that use Louisiana’s airports.</p>		

3.2 Surveys, Data Collection Methods, and Model Assumptions

The economic model requires an extensive data gathering effort in order to estimate the measures of direct impacts. The methods used to collect information from each category considered in the direct impacts are discussed in the ensuing sections, along with the assumptions needed to arrive at these direct impacts. An explanation of the multiplier impacts resulting from the recirculation of the direct impacts follows the descriptions of the direct impacts.

3.2.1 On-Airport

Airport sponsors and owners were contacted to provide names, mailing addresses, and telephone numbers for each airport business or government tenant. All airport tenants having aviation-related employees on Louisiana airports were contacted to collect information regarding their economic activity. Since the purpose of this study was to measure the economic impacts of each Louisiana airport and the activity that relied on the airport, a distinction was made between those on-airport tenants that depended on the airport (deemed aviation-related) and those that did not. For example, a tenant farmer located on an airport would not be designated as aviation-related since farming does not need an airport to operate. A survey was provided to each aviation-related tenant and follow-up calls were made to obtain responses and to verify information on returned surveys. Airport tenants at each airport were grouped into 26 categories to aid in analysis. These categories consisted of:

- Aerial applicators
- Air ambulances

- Air cargo
- Aircraft maintenance
- Airlines (passenger only)
- Airport management (subdivided into large airports, unattended airports, and other airports)
- Air traffic control (subdivided into public, i.e., FAA, and private ATC)
- Charter
- Concessions (subdivided into categories for general aviation airports and commercial service airports)
- Corporate flight departments
- FBOs (subdivided into small and large FBO categories based on the number of employees)
- Federal government (not including air traffic control or TSA)
- Flight instruction
- Ground transportation
- Hangar rental and development
- Military
- Nonprofit
- Parking
- Rental car
- State and local government
- Transportation Security Administration

The survey sent to each airport tenant, including airport sponsors and managers, requested the following information:

- Type of aviation activity conducted by the tenant
- Number of full-time and part-time employees
- Estimated total annual wages and benefits paid to employees
- Estimated total capital improvement expenditures for the past three years
- Estimated total annual operating expenses (excluding payroll and capital improvements previously identified)
- Estimated total annual gross sales (where applicable) by the business on the airport

In addition, on-airport entities were asked to identify any businesses that sublease property from them, such as a corporate flight department subleasing hangar space from an FBO, so that they could be included in the analysis.

A high response rate was desired for the airport management and tenant surveys so several rounds of follow-up telephone calls were made to non-responding entities and to airport managers to obtain the greatest response rate possible for on-airport employment. For airport tenants who did not supply complete information on payroll, expenses, output, and CIP, estimates were developed using ratios of payroll, expenses, output, and CIP per employee. These ratios were developed from survey data obtained from those tenants and businesses that did respond to the survey. For those categories of tenants that did not have sufficient Louisiana data to provide reliable averages, additional data was used from economic studies conducted around the country.

For purposes of estimating multiplier impacts, airport tenants were classified into one of three categories (aviation, concession, and government), based upon the nature of their business. This was done to facilitate subsequent IMPLAN modeling of multipliers. Aviation multipliers were used for airlines, aircraft maintenance, FBOs, air cargo, flight schools, and corporate flight departments. Retail,

food and beverage, car rental, and parking tenants had a set of concession multipliers applied to estimate multiplier impacts. Government related entities, including military units, received their own set of multipliers for estimating multiplier impacts. Impacts stemming from construction projects were broken out from each tenant so a set of construction-related multipliers could be used for capital projects.

3.2.2 Construction Impacts

Each year, airports and their tenants undertake capital improvement projects (CIP), such as runway rehabilitation, terminal improvements, or business renovations. These projects employ construction workers, architects, engineers, and consultants. For this analysis, data was gathered on CIP expenditures and combined with IMPLAN data to estimate direct construction impacts. The following steps were used to estimate construction impacts:

- CIP data for the past three years was gathered from airport managers as well as from aviation-related businesses and government agencies located on each airport. This data was validated against FAA grant data to the degree possible.
- CIP expenditures were averaged over the time period to avoid showing peaks or troughs in construction activity. This average CIP expenditure was used as the CIP direct output for the airport.
- The IMPLAN model indicates that every \$1 million spent annually on construction activity supports approximately 6.3 construction-related jobs in Louisiana. These jobs include construction workers, equipment operators, foremen, engineers, architects, consultants, and managers.
- Data from the U.S. Bureau of Labor Statistics was used to determine average annual pay for Louisiana employees involved in construction activity was approximately \$42,800. This average payroll was applied to each CIP-related employee to determine direct payroll associated with CIP activity.
- CIP multipliers from the IMPLAN model were applied to these direct impact numbers to estimate induced and indirect impacts.

The following example demonstrates the calculations used to estimate the impacts from CIP at Allen Parish Airport in Oakdale, Louisiana.

Allen Parish Airport and its tenants reported average annual CIP expenditures for the past three years of \$1,247,400. This was the direct output of CIP at the airport. In order to estimate employment associated with CIP expenditures, Louisiana specific employment ratios per \$1 million of CIP spending were developed using the IMPLAN model. It was estimated that approximately 6.3 workers are employed in Louisiana as a result of every \$1 million in CIP output at Allen Parish Airport. That equates to an estimated 7.8 CIP-related jobs associated with construction activity at Allen Parish Airport.

$$\$1,247,400 \times 6.3 \div \$1,000,000 \text{ per job} = 7.8 \text{ jobs}$$

In order to estimate payroll impacts associated with employment supported by construction activity, average state wages for appropriate industry sectors were applied to the estimated number of

employees supported by CIP spending. Based on data obtained from the U.S. Bureau of Labor Statistics, an average payroll of \$33,000 per employee in Louisiana was assumed for these job categories.

$$7.8 \text{ jobs} \times \$33,000 = \$258,000 \text{ annual payroll}$$

The same calculation was used for each airport. Detailed tables showing the CIP impacts at each airport can be found in **Appendix A** at the end of this report.

3.2.3 Commercial Service Visitors

Airline flights to and from Louisiana's commercial service airports provide access for millions of business- and pleasure-related visitors. Visitors using commercial service airports as a gateway to the state contribute to the economy through their expenditures for food, lodging, entertainment, transportation, retail sales, and other goods and services. Numerous service industries also benefit from the multiplier effects stemming from visitor spending.

The spending patterns of commercial service visitors to Louisiana were estimated from data obtained from the *Calendar Year 2010 Louisiana Travels America Visitor Profile Report*. Visitor spending data for each city with a commercial service airport was adjusted for inflation to 2011 figures and then a factor was applied to account for differences between overall visitor spending and those visitors that arrived by commercial airline.

This data was used to estimate the economic impacts related to commercial service visitors for each commercial service airport, using the following methodology.

Enplanement data was obtained for each commercial service airport from each airport's survey or FAA or U.S. DOT records. The percentage of visiting passengers was estimated for each airport, using a year's sampling of U.S. DOT origin and destination data. This data for each airport is shown in **Table 3-1**. Visiting passengers ranged from 41 percent at Lake Charles Regional Airport to more than 63 percent at Louis Armstrong New Orleans International Airport, obviously a major draw for tourists and other visitors.

Table 3-1: Enplanements & Percent Visitors at Louisiana Commercial Service Airports

Associated City	Airport Name	Enplanements	Percent Visitors	Visitors
Alexandria	England Airpark/Alexandria International Airpark	174,858	48.4%	84,631
Baton Rouge	Baton Rouge Metropolitan, Ryan Field	404,735	47.7%	193,059
Lake Charles	Lake Charles Regional	63,987	41.3%	26,427
Lafayette	Lafayette Regional	226,583	42.7%	96,751
Monroe	Monroe Regional	106,544	44.9%	47,838
New Orleans	Louis Armstrong New Orleans International	4,270,866	63.2%	2,699,187
Shreveport	Shreveport Regional	282,598	44.6%	126,039
Commercial Service Airports Total		5,530,171	59.2%	3,273,932

Source: FAA records and US DOT O&D data.

The average visitor expenditure, derived from the *Visitor Profile Report* described above, was applied to the number of annual visitors for each airport to determine total economic output generated by commercial airline visitors on an annual basis. Ratios from the IMPLAN economic impact model found that every \$1 million in visitor expenditures supported approximately 11.3 jobs, predominately in the hospitality industry. Data from the U.S. Bureau of Labor Statistics was used to determine that the

average pay for Louisiana employees supported by visitor spending was approximately \$21,200. This average payroll was applied to each visitor-related employee to determine direct payroll associated with visitor spending.

The following example demonstrates the calculations used to estimate commercial service visitor impacts.

Shreveport Regional Airport reported 282,598 annual enplanements. U.S. DOT origin and destination data indicates that 44.6 percent of these enplanements were visitors to the area, or approximately 126,000 visitors traveled through Shreveport Regional Airport.

$$282,598 \text{ enplanements} \times 44.6 \text{ percent visitors} = 126,000 \text{ visitors}$$

Estimates of average spending per visitor to Shreveport Regional arrived at \$322 per trip. This average expenditure was used to calculate visitor's annual spending (or output) of approximately \$40.6 million.

$$126,000 \text{ visitors} \times \$322 \text{ per trip} = \$40.6 \text{ million}$$

In order to estimate employment associated with commercial service visitor expenditures, Louisiana specific employment ratios per \$1 million of visitor output were developed using the IMPLAN model. It was estimated that approximately 11.3 persons are employed in Louisiana as a result of every \$1 million in commercial service visitor output. That equates to an estimated 458 visitor-related jobs associated with visitors arriving via Shreveport Regional on commercial airlines.

$$\$40.6 \text{ million} \times 11.3 \div \$1,000,000 \text{ per job} = 457 \text{ jobs}$$

In order to estimate payroll impacts associated with employment supported by commercial service visitors, average state wages for appropriate industry sectors were applied to the estimated number of employees supported by commercial airline visitor spending. Most visitor expenditures take place in the hotel, motel, food, beverage, entertainment, retail, and transportation sectors. Based on data obtained from the U.S. Bureau of Labor Statistics, an average payroll of \$21,200 per employee in Louisiana was assumed for these job categories.

$$457 \text{ jobs} \times \$21,200 = \$9.7 \text{ million annual payroll}$$

The same calculation was used for each commercial service airport, using the average expenditure per trip appropriate for each airport, and the same employment multiplier and average payroll for all airports. Detailed tables showing the commercial service visitor impacts at each commercial service airport can be found in Appendix A at the end of this report.

3.2.4 General Aviation Visitors

General aviation refers to all segments of aircraft activity that are not related to the commercial airlines (including scheduled air cargo) or the military. Visitors to Louisiana use general aviation aircraft to enjoy both the leisure opportunities available in Louisiana as well as to conduct business. For example, numerous airports along the Gulf Coast support flight operations conducted by companies involved in Louisiana's oil and gas industry. The visitors on these flights spend money in the local economy on food, lodging and other hospitality services.

The economic activity produced by general aviation visitors in Louisiana was determined by surveying visiting pilots and passengers. Surveys were delivered to FBO managers throughout the state's system of airports who were asked to encourage visitors to complete the surveys. The survey requested the following information:

- The airport where the survey was received
- The number of travelers in the aircraft
- Where the aircraft was based
- Whether the respondent was a pilot or passenger
- The purpose of the trip
- The length of stay in the airport area
- The estimated expenditures during the trip
- The number of people responsible for the expenditures
- Further comments regarding the value of the Louisiana aviation system to the pilot and his or her business

This survey data was used to develop estimates of visitor expenditures. These estimates included the average number of visitors per aircraft, and the average expenditure per visitor per trip. Recognizing that these averages vary at different types of airports, Louisiana's airports were grouped into one of three categories, based upon the total annual general aviation operations at the airport. All airports with more than 44,000 total operations were placed in one category, or Tier 1, so this included all the commercial service airports. All airports with between 12,000 and 44,000 operations were placed in a second category – Tier 2, and all airports with less than 12,000 operations were placed in the final category – Tier 3. These definitions were established based upon an analysis of typical length of stay, spending amounts for different groupings of airports, and the goal of equitably distributing the airport among the three tiers. Using these definitions, 17 airports were placed in Tier 1, 25 in Tier 2, and 26 in Tier 3.

Data from FAA 5010 forms for each airport were used to develop estimates of itinerant aircraft operations, which are operations by aircraft coming from another airport. Since many of these operations are aircraft that are returning to their home base, an estimate of true transient aircraft – those bringing visitors to the airport – was needed. True transients were estimated as 33 percent of all itinerant operations, based on data at the national level. Together, all of these estimates were used to assess the level of general aviation visitor spending at each airport as illustrated in the following example.

Slidell Airport was estimated to have approximately 30,000 annual itinerant operations, or 15,000 itinerant arrivals (since it is assumed that all arrivals have a corresponding departure). Furthermore, it was assumed that 33 percent of these itinerant arrivals were true transient arrivals, or:

$$15,000 \text{ itinerant arrivals} \times 33 \text{ percent} = 4,950 \text{ true transient arrivals.}$$

Transient pilot survey data for Tier 1 airports, including Slidell, provided estimates of the average number of visitors per aircraft, including the pilot (3.4 visitors), and the average spending per trip (\$500 per visitor per trip). These averages were used to calculate the total annual visitors (16,830 visitors) and the impacts of those visitors spending in the region around Slidell, or approximately \$8.4 million per year.

$$4,950 \text{ transient arrivals} \times 3.4 \text{ visitors per arrival} = 16,830 \text{ visitors}$$

16,830 visitors x \$500 per visitor per trip = \$8.4 million annual spending by visitors

To determine payroll and employment impacts resulting from this visitor spending (or output); multiplier ratios based on \$1 million of output were used. In other words, ratios developed by the input-output model indicate that for every \$1 million of general aviation visitor output, approximately 16.5 full-time positions in other industries are created. Most of these jobs are in the service and retail sectors. Visitors using general aviation at Slidell support approximately 139 full-time positions.

$\$8.4 \text{ million} \times 16.5 \text{ jobs} \div \$1,000,000 \text{ per job} = 139 \text{ jobs}$

The average annual statewide salary for service/retail industries of \$21,200 (based on Bureau of Labor Statistics data for Louisiana) was then applied to the estimate of employment to calculate the payroll impacts associated with general aviation visitors. In this example, visitor-related payroll created by the approximately 139 full-time positions is estimated to total approximately \$554,100.

$139 \text{ jobs} \times \$21,200 = \$3.0 \text{ million annual payroll}$

The operational and visitor impact data for each study airport can be found in the appendix at the end of this report.

3.3 Study Multipliers

Employment, payroll, and output impacts derived from airport businesses, on-airport activities, spending on capital projects, and visitor expenditures, comprise each airport's direct economic impacts. Once these impacts enter the economy, they circulate among other sectors, creating rounds of additional spending beyond the initial inputs. This re-spending of the initial inputs, referred to as the multiplier effect, continues until the money leaks beyond the defined boundaries of the study – in this case, the state of Louisiana.

Multipliers for estimating impacts beyond the direct impacts were derived from the IMPLAN model. The multipliers used in this analysis were developed specifically to measure the economic impacts that occur within different sectors of the Louisiana's aviation economy. **Table 3-2** summarizes the multipliers used for modeling the multiplier impacts of on-airport activities and visitor spending.

Multiplier effects arise from various interdependencies within an economic system. For example, the operation of an airport requires inputs in the form of supplies, equipment, and maintenance. These inputs generate a boost in sales for those businesses providing these services and products. Moreover, the goods and services themselves require inputs for their production. The process continues as a large number of impacts re-circulate through the economy. The total requirement for goods and services is the multiple of the initial needs of the airports considered in this analysis; hence it is referred to using the term "multiplier."

The multipliers presented in Table 3-2 were used to estimate multiplier impacts in this analysis. For example, \$100 in direct expenditures (output) in the aviation sector supports a total output of \$164. That total output breaks down into \$100 of direct output and \$64 of multiplier impact.

The methodology discussed in this section was applied to each of the study airports. By following this methodology, estimates of total employment, annual payroll, and annual output associated with each airport were developed. As noted previously, on-airports tenants were classified under one of three categories (aviation, concessions, or government) for purposes of assigning multipliers. Each airport

has different overall on-airport multipliers because each airport has a different mix of tenants. The multipliers for CIP and visitors are the same for all airports.

Table 3-2: Louisiana IMPLAN Multipliers by Economy Sector

Economy Sector	Employment Multiplier	Payroll Multiplier	Output Multiplier
Aviation (Note 1)	2.36	1.79	1.64
Concessions (Note 2)	1.37	1.63	1.68
Government (Note 3)	2.86	2.47	1.83
Construction C.I.P. (Note 4)	2.08	1.72	1.78
Commercial Service Visitor Expenditures (Note 5)	1.56	1.77	1.64
General Aviation Visitor Expenditures (Note 5)	1.38	1.64	1.66

Sources: CDM Smith and IMPLAN multipliers.

Notes

1. Aviation multipliers are the weighted average of the Aircraft Manufacturing, Aircraft Engine and Engine Parts Manufacturing, Other Aircraft Parts and Auxiliary Equipment Manufacturing, and Transport by Air multipliers.
2. Concessions multipliers are the weighted average of the Retail Stores - Miscellaneous, Business Support Services, Hotels and Motels, Including Casino Hotels, and Food Services and Drinking Places multipliers.
3. Government multipliers are the weighted average of the Other Federal Government Enterprises, and Other State and Local Government Enterprises multipliers.
4. Construction multipliers are the weighted average of the Construction of Other New Nonresidential Structures, Asphalt Paving Mixture and Block Manufacturing, Cement Manufacturing, Ready-mix Concrete Manufacturing, Maintenance and Repair Construction of Nonresidential Structures, and Architectural, Engineering, and Related Services multipliers.
5. Visitor expenditures multipliers are the weighted average of the Retail Stores - Miscellaneous, Automotive Equipment Rental and Leasing, Hotels and Motels, Including Casino Hotels, and Food Services and Drinking Places multipliers. Weightings were different for commercial airline service and general aviation visitor multipliers to reflect the difference in their spending patterns.

Section 4. Employment, Payroll, and Output Impacts for Study Airports

The airports in this analysis help to accommodate the travel needs of business and leisure visitors to Louisiana. The airports themselves are also significant generators of economic activity. Airports support jobs, payroll, and output for the Louisiana economy.

Louisiana's airports are home to a wide variety of businesses and employers, everything from small single proprietorship flight instructors to major airlines and corporate flight departments for Fortune 500 businesses. Baton Rouge, Louisiana is home to The Shaw Group, a multibillion dollar engineering, construction, and maintenance firm¹ that bases its corporate flight department at Baton Rouge Metropolitan Airport. Aviation supports the extensive oil and gas industry in Louisiana, especially in the Gulf Coast region. Numerous helicopter air taxi operations, such as ERA Helicopters at Lake Charles Regional and PHI at Lafayette Regional, conduct flights to and from oil rigs in the Gulf of Mexico. Other companies, like Bristow out of Acadiana Regional, provide helicopter flight instruction that feeds pilots into the air taxi career path.

Military aviation has a presence in Louisiana. Airports in Hammond and Alexandria provide bases for aviation units of the army and air national guard. While not part of this study, Louisiana is home to Barksdale Air Force Base, located near Shreveport, Louisiana. These aviation units contribute jobs and payroll to Louisiana's economy.

The following sections discuss economic impacts associated with employment, annual payroll, and total annual economic activity (output) for study airports. The combined impact of all of Louisiana's 68 airports is shown in each section. Detailed tables showing the impacts of each individual airport can be found in the appendix at the end of this report.

4.1 Employment Impacts

The findings of this analysis indicate that airports in Louisiana are an important source of jobs. Employment, as defined in this analysis, is based on estimates where part-time jobs are treated as half of a full-time job. Employment impacts are calculated for on-airport activity and visitors. On-airport activity includes private businesses and government agencies. For on-airport military units, their employment was also considered. Spending for capital improvement projects (CIP) and other improvement and construction projects also contributes to on-airport employment.

4.1.1 Employment from On-Airport Activity

Table 4-1 identifies the total number of jobs supported by the day-to-day activities of on-airport aviation-related tenants and businesses at the 68 Louisiana system airports. These jobs comprise those people who are engaged in the provision of aviation-related products and services on the airport, such as aircraft fuel sales, aircraft maintenance, flight training, aircraft manufacturing, and charter services.

¹ The Shaw Group was acquired by the Chicago Bridge & Iron Company in February 2013.

Table 4-1: Louisiana On-Airport Employment

Airports	Direct On-Airport Employment	Multiplier Employment	Total On-Airport Employment
Louis Armstrong New Orleans International	2,273	2,552	4,825
Other Commercial Service Airports	3,181	4,324	7,505
General Aviation Airports	2,721	3,832	6,553
Total On-Airport Employment	8,175	10,708	18,883

Source: CDM Smith and IMPLAN.

There are 8,175 direct jobs supported by the on-airport activities of Louisiana's airports. It is important to note that this employment estimate does not include jobs associated with non-aviation businesses which, for various reasons, are located on an airport. For instance, some airports have industrial or business parks that include companies that are not related to the airport or aviation in any way. Employment related to these businesses is not included in the employment estimate shown in Table 4-1.

Multiplier impacts are those jobs that are created by spin-off effects stemming from direct jobs associated with tenants, businesses, and government agencies at Louisiana's airports. For example, an employee of a landscaping company may owe a portion of his job to an airport since part of the employee's job is periodic cutting of the grass at the airport. As a result of on-airport tenant activity, additional multiplier employment is created. Multiplier impacts associated with the day-to-day operation of Louisiana's airports add 10,708 positions to the economy. When direct and multiplier employment are considered, Louisiana's airport tenants contributed 18,883 jobs to Louisiana's employment base.

4.1.2 Employment from Capital Improvement Project (CIP) Expenditures

Construction projects on airports generate jobs for architects, engineers, consultants, and laborers. **Table 4-2** identifies the number of employees in Louisiana whose jobs are supported by an average year of airport-related construction. The majority of these jobs are the result of projects at Louisiana's commercial service airports, Lafayette Regional and Louis Armstrong New Orleans International in particular. Lafayette Regional made extensive improvements to the runway safety area for Runway 4R/22L and New Orleans International undertook extensive ramp rehabilitation in recent years.

CIP work at Louisiana's airports supports 2,281 direct jobs. Multiplier impacts add another 2,474 jobs, resulting in 4,755 jobs related to airport CIP work.

Table 4-2: Louisiana Employment from CIP Expenditures

Airports	Direct CIP Employment	Multiplier Employment	Total CIP Employment
Louis Armstrong New Orleans International	503	545	1,048
Other Commercial Service Airports	1,417	1,537	2,954
General Aviation Airports	361	392	753
Total CIP Employment	2,281	2,474	4,755

Source: CDM Smith and IMPLAN.

4.1.3 Employment from Commercial Service Visitor Spending

Visitors arriving via commercial airlines spend money, which supports jobs beyond those found at the airport, primarily in the hospitality industry. **Table 4-3** identifies the number of employees in Louisiana whose jobs are supported by the spending of visitors arriving on commercial airlines via Louisiana's seven airports with commercial service. The vast majority of these visitors pass through Louis Armstrong New Orleans International, as indicated by the significant number of jobs that visitor spending related to that airport supports. The jobs supported by visitor spending tied to Louis Armstrong New Orleans International Airport account for more than 90 percent of all commercial service visitor-related jobs in Louisiana.

Table 4-3: Louisiana Employment from Commercial Service Visitor Spending

Airports	Direct Commercial Service Visitor Employment	Multiplier Employment	Total Commercial Service Visitor Employment
Louis Armstrong New Orleans International	19,003	10,626	29,629
Other Commercial Service Airports	1,867	1,044	2,911
Total Commercial Service Visitor Employment	20,870	11,670	32,540

Source: CDM Smith and IMPLAN.

When added to the jobs resulting from visitors to the other commercial airports, 20,870 direct jobs can be traced to visitors arriving in Louisiana on commercial airlines. Multiplier impacts create an additional 11,670 jobs. The total number of jobs supported by commercial airline visitors in Louisiana is 32,540.

4.1.4 Employment from General Aviation Visitor Spending

Visitors that use general aviation also contribute to Louisiana's economy through their purchases made while traveling. **Table 4-4** identifies the number of Louisiana jobs supported by spending from visitors using general aviation aircraft to travel to and within the state. The bulk of jobs tied to general aviation visitor spending are found around the 61 general aviation airports spread throughout the state, although a fair number are attributed to general aviation activity taking place at the state's commercial service airports.

Table 4-4: Louisiana Employment from General Aviation Visitor Spending

Airports	Direct GA Visitor Employment	Multiplier Employment	Total GA Visitor Employment
Louis Armstrong New Orleans International	86	33	119
Other Commercial Service Airports	401	154	555
General Aviation Airports	1,451	550	2,001
Total General Aviation Visitor Employment	1,938	737	2,675

Source: CDM Smith and IMPLAN.

Direct jobs associated with general aviation visitor spending are usually found off-airport and are attributed to a variety of sectors; however, most of these jobs are concentrated in the hotel, motel, restaurant, recreational, entertainment, and retail sectors. As a result of general aviation visitor expenditures in Louisiana, there are 1,938 direct jobs supported in Louisiana.

Multiplier employment includes those jobs that exist due to continued circulation of general aviation visitor expenditures. Multiplier impacts result in 737 additional jobs. When direct and multiplier

general aviation visitor-related employment impacts are combined, 2,675 jobs are supported by the spending of visitors using general aviation aircraft in Louisiana.

4.1.5 Total Employment

Table 4-5 identifies the total number of jobs supported by all activities at Louisiana's 68 airports. As a result of on-airport activities, CIP expenditures, and spending by visitors using the study airports, there are 33,264 direct jobs. The multiplier effect adds 25,589 additional jobs. In total, 58,853 jobs are supported in Louisiana by aviation-related operators, businesses, and visitors to the study airports.

Table 4-5: Louisiana Airports Total Employment

Airports	Direct Employment	Multiplier Employment	Total Employment
Louis Armstrong New Orleans International	21,865	13,756	35,621
Other Commercial Service Airports	6,866	7,059	13,925
General Aviation Airports	4,533	4,774	9,307
Total Employment	33,264	25,589	58,853

Source: CDM Smith and IMPLAN.

4.2 Payroll Impacts

Louisiana economy benefits from the salaries, wages, and benefits paid to the employees described in the previous section. Estimates of these payroll impacts associated with on-airport businesses and their activities, commercial service visitors, and general aviation visitors are detailed below by economic impact category.

4.2.1 Payroll from On-Airport Activity

Table 4-6 shows the annual payroll impacts associated with on-airport activity at the study airports.

Table 4-6: Louisiana On-Airport Payroll

Airports	Direct On-Airport Payroll	Multiplier Payroll	Total On-Airport Payroll
Louis Armstrong New Orleans International	\$92,751,800	\$99,516,600	\$192,268,400
Other Commercial Service Airports	\$180,827,600	\$176,861,500	\$357,689,100
General Aviation Airports	\$118,935,500	\$106,793,500	\$225,729,000
Total On-Airport Payroll	\$392,514,900	\$383,171,600	\$775,686,500

Source: CDM Smith and IMPLAN.

This study found that direct on-airport annual payroll impacts are \$392.5 million. The majority of this is attributed to Louisiana's commercial service airports, with New Orleans providing approximately \$92.8 million in payroll. The remaining commercial service airports in Louisiana contribute another \$180.8 million of annual payroll, and Louisiana's general aviation airports add another \$118.9 million to direct payroll.

This payroll impact ripples throughout the Louisiana economy, creating multiplier payroll impacts that are estimated through the IMPLAN model. The multiplier annual payroll impact related to on-airport tenants and businesses at the study airports is approximately \$383.2 million. Total payroll impacts produced by airports, which include direct and multiplier payroll, are nearly \$775.7 annually.

4.2.2 Payroll from CIP Expenditures

CIP and related construction work provide another source of airport-related payroll. Estimates of annual payroll tied to CIP are shown in **Table 4-7**.

Table 4-7: Louisiana Annual Payroll from CIP Expenditures

Airports	Direct CIP Payroll	Multiplier Payroll	Total CIP Payroll
Louis Armstrong New Orleans International	\$16,593,400	\$12,019,600	\$28,613,000
Other Commercial Service Airports	\$46,766,800	\$33,875,900	\$80,642,700
General Aviation Airports	\$11,922,700	\$8,636,800	\$20,559,500
Total CIP Payroll	\$75,282,900	\$54,532,300	\$129,815,200

Source: CDM Smith and IMPLAN.

Louis Armstrong New Orleans International accounted for approximately \$16.6 million of CIP-related direct payroll in the state. The other commercial airports added another \$46.8 million in payroll tied to CIP, and general aviation contributed \$11.9 million to the total direct CIP payroll of \$75.3 million. Multiplier impacts added another \$54.5 million in CIP payroll, giving a total annual payroll impact attributed to CIP of \$129.8 million.

4.2.3 Payroll from Commercial Service Visitor Spending

Table 4-8 identifies the annual payroll impact attributed to employees whose jobs are supported by the spending of commercial service visitors using the study airports.

Table 4-8: Louisiana Annual Payroll from Commercial Service Visitor Spending

Airports	Direct Commercial Service Visitor Payroll	Multiplier Payroll	Total Commercial Service Visitor Payroll
Louis Armstrong New Orleans International	\$403,528,700	\$309,491,400	\$713,020,100
Other Commercial Service Airports	\$39,645,700	\$30,406,800	\$70,052,500
Total Commercial Service Visitor Payroll	\$443,174,400	\$339,898,200	\$783,072,600

Source: CDM Smith and IMPLAN.

Direct payroll consists of salary, wages, and benefits paid to employees working at restaurants, hotels, motels, retail businesses, and other service industries that are used by commercial service visitors. Direct annual payroll attributable to spending by commercial service visitors is estimated at nearly \$443.2 million, with more than \$403.5 million, or more than 90 percent, of that from New Orleans International.

As employees in the service industries spend their payroll, the money continues to circulate in Louisiana, generating additional employment and subsequent payroll. Annual multiplier payroll impacts associated with commercial service visitor-supported employment are estimated at nearly \$339.9 million. When direct and multiplier payroll impacts stemming from commercial service visitor spending in Louisiana are combined, a total annual payroll impact of nearly \$783.1 million is produced.

4.2.4 Payroll from General Aviation Visitor Spending

Table 4-9 identifies the payroll impacts attributed to spending by visitors using general aviation to travel to various parts of Louisiana.

Table 4-9: Louisiana Annual Payroll from General Aviation Visitor Spending

Airports	Direct GA Visitor Payroll	Multiplier Payroll	Total GA Visitor Payroll
Louis Armstrong New Orleans International	\$1,824,000	\$1,171,700	\$2,995,700
Other Commercial Service Airports	\$8,529,400	\$5,478,600	\$14,008,000
General Aviation Airports	\$30,767,900	\$19,762,900	\$50,530,800
Total GA Visitor Payroll	\$41,121,300	\$26,413,200	\$67,534,500

Source: CDM Smith and IMPLAN.

Visitor-related payroll includes salaries paid to employees working in visitor-related businesses and other service industries that are utilized by general aviation visitors, such as hotels, motels, and restaurants. Direct annual payroll attributable to spending by general aviation visitors is estimated at \$41.1 million. Nearly \$30.8 million of that payroll is attributed to Louisiana's general aviation airports.

As employees in the visitor-related industries spend their payroll, this spending continues to circulate, generating additional employment and subsequent payroll. The multiplier payroll impact associated with general aviation visitor spending is estimated at approximately \$26.4 million. When direct and multiplier payroll impacts stemming from general aviation visitor spending are combined, a total payroll impact of \$67.5 million is produced annually.

4.2.5 Total Annual Payroll

The combined impacts of airport businesses and tenants, on-airport activities, CIP, commercial service visitor, and general aviation visitor-related payroll in Louisiana are identified in **Table 4-10**. The collective direct annual payroll impact supported by the study airports is approximately \$952.1 million. Multiplier impacts add another \$804.0 million in annual payroll impacts to produce a total payroll impact of \$1.8 billion.

Table 4-10: Louisiana Airports Total Annual Payroll

Airports	Direct Payroll	Multiplier Payroll	Total Payroll
Louis Armstrong New Orleans International	\$514,697,900	\$422,199,300	\$936,897,200
Other Commercial Service Airports	\$275,769,500	\$246,622,800	\$522,392,300
General Aviation Airports	\$161,626,100	\$135,193,200	\$296,819,300
Total Payroll	\$952,093,500	\$804,015,300	\$1,756,108,800

Source: CDM Smith and IMPLAN.

4.3 Output Impacts

Economic output is the result of money spent, invested, and generated by aviation-related businesses, government agencies, and visitors. For this study, on-airport output is defined as annual gross sales for on-airport businesses and activities. The exceptions are organizations such as corporate flight departments and government agencies that do not generate revenue. Airlines are also exceptions since it is difficult to attribute ticket revenues to specific airports. Output for these types of organizations is defined as the sum of payroll and operating expenses. Output for CIP is simply the

expenditures related to those projects. Output related to commercial service and general aviation visitors is defined as spending by those people during their visits at locations that are not already captured by on-airport output, typically off-airport establishments. Annual economic output attributed to the system airports that benefits Louisiana's economy is discussed in this section.

4.3.1 Output from On-Airport Activity

Table 4-11 identifies annual output for all on-airport activities. Louisiana's airports produce \$1.7 billion in direct economic output, with the bulk of that coming from the commercial service airports.

Table 4-11: Louisiana On-Airport Output

Airports	Direct On-Airport Output	Multiplier Output	Total On-Airport Output
Louis Armstrong New Orleans International	\$376,025,200	\$264,699,900	\$640,725,100
Other Commercial Service Airports	\$905,846,900	\$604,865,800	\$1,510,712,700
General Aviation Airports	\$432,296,600	\$286,142,200	\$718,438,800
Total On-Airport Output	\$1,714,168,700	\$1,155,707,900	\$2,869,876,600

Source: CDM Smith and IMPLAN.

As aviation-related businesses and government entities located on each study airport spend money, these expenditures ripple through Louisiana's economy, leading to additional output impacts. Multiplier output impacts are estimated using IMPLAN multipliers, with an estimate of \$1.2 billion in multiplier output from on-airport activity. When direct and multiplier impacts are combined, the total annual output for the study airports from on-airport activity approaches \$2.9 billion.

4.3.2 Output from CIP Expenditures

Spending on CIP adds nearly \$364.0 million in direct output to the Louisiana economy, as shown in **Table 4-12**. Multiplier impacts add an additional \$285.0 million in impacts, resulting in total CIP impacts of \$648.9 million. It is important to remember that the estimated annual CIP expenditures are based on the average of the three previous years of CIP expenditures.

Table 4-12: Louisiana Output from CIP Expenditures

Airports	Direct CIP Output	Multiplier Output	Total CIP Output
Louis Armstrong New Orleans International	\$80,229,500	\$62,807,700	\$143,037,200
Other Commercial Service Airports	\$226,118,300	\$177,016,600	\$403,134,900
General Aviation Airports	\$57,647,200	\$45,129,200	\$102,776,400
Total CIP Output	\$363,995,000	\$284,953,500	\$648,948,500

Source: CDM Smith and IMPLAN.

4.3.3 Output from Commercial Service Visitor Spending

Table 4-13 identifies the output attributed to commercial visitor spending. Louis Armstrong New Orleans International Airport accounts for the overwhelming majority of these impacts, with nearly \$1.7 billion in direct output related to visitor spending. That accounts for more than 90 percent of the nearly \$1.9 billion in direct output from commercial service visitor spending.

The recirculation of those impacts creates another \$1.2 billion in multiplier impacts. In total, the combined annual output from commercial service visitor spending is over \$3.0 billion.

Table 4-13: Louisiana Output from Commercial Service Visitor Spending

Airports	Direct Commercial Service Visitor Output	Multiplier Output	Total Commercial Service Visitor Output
Louis Armstrong New Orleans International	\$1,686,991,900	\$1,076,916,300	\$2,763,908,200
Other Commercial Service Airports	\$165,674,600	\$105,760,800	\$271,435,400
Total Commercial Service Visitor Output	\$1,852,666,500	\$1,182,677,100	\$3,035,343,600

Source: CDM Smith and IMPLAN.

4.3.4 Output from General Aviation Visitor Spending

Table 4-14 identifies the output attributed to general aviation visitors using airports in Louisiana. Direct annual output is estimated at \$117.1 million. Not surprisingly, the majority of this output is found at the general aviation airports of Louisiana. As the businesses that support visitor activities recirculate this money, multiplier impacts estimated at \$77.4 million are created. Combining the direct and multiplier impacts of general aviation visitor spending yields total general aviation visitor output of \$194.5 million.

Table 4-14: Louisiana Output from General Aviation Visitor Spending

Airports	Direct GA Visitor Output	Multiplier Output	Total GA Visitor Output
Louis Armstrong New Orleans International	\$5,193,500	\$3,434,700	\$8,628,200
Other Commercial Service Airports	\$24,285,200	\$16,061,000	\$40,346,200
General Aviation Airports	\$87,604,400	\$57,937,100	\$145,541,500
Total GA Visitor Output	\$117,083,100	\$77,432,800	\$194,515,900

Source: CDM Smith and IMPLAN.

4.3.5 Total Annual Output

The total combined annual output related to on-airport activities, CIP, and commercial service and general aviation visitor spending is presented in **Table 4-15**. Direct annual output measures more than \$4.0 billion. Multiplier output impacts are estimated at approximately \$2.7 billion annually. Combined direct and multiplier output from on-airport activities, CIP and aviation visitors produce a total annual output of more than \$6.7 billion for Louisiana's economy.

Table 4-15: Louisiana Airports Total Annual Output

Airports	Direct Output	Multiplier Output	Total Output
Louis Armstrong New Orleans International	\$2,148,440,100	\$1,407,858,600	\$3,556,298,700
Other Commercial Service Airports	\$1,321,925,000	\$903,704,200	\$2,225,629,200
General Aviation Airports	\$577,548,200	\$389,208,500	\$966,756,700
Total Output	\$4,047,913,300	\$2,700,771,300	\$6,748,684,600

Source: CDM Smith and IMPLAN.

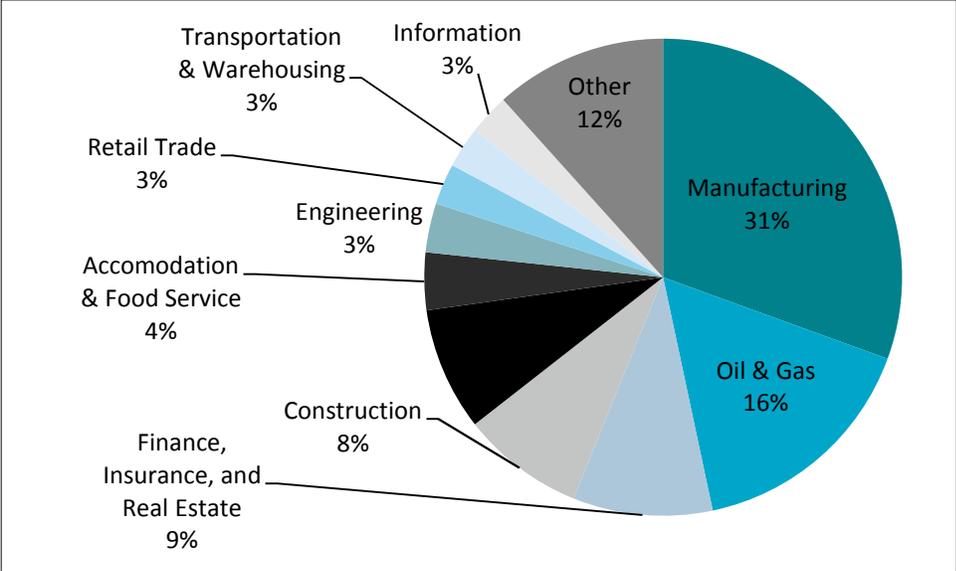
Section 5. Benefits for Louisiana Businesses

The utilization of air travel and aviation services helps businesses throughout the United States increase their productivity and achieve their goals. Louisiana is no different—many businesses benefit greatly from the presence of the state’s system of airports, making it necessary to evaluate this additional benefit provided to businesses. The following sections detail the results of a survey effort aimed at measuring these benefits.

Approximately 1,100 Louisiana businesses were surveyed in order to gauge their dependence upon and use of aviation, with 187 businesses returning surveys. While it is not possible to make exact measurements of the additional economic impact that these activities provide, it is possible to draw some general conclusions about the benefits that aviation provides Louisiana’s non-aviation businesses based on the data from the surveys. The survey effort specifically targeted industry sectors known for the propensity to use airports, such as manufacturing, healthcare, and the oil and gas industry of the Gulf Coast.

Figure 5-1 summarizes the industry sectors of survey respondents. With 31 percent of all responding businesses, manufacturing was the largest sector. Following was the oil and gas industry, which represented 16 percent of the total. The average size of respondent businesses was 289 full-time equivalent employees. Calculation of full-time equivalent employment assumes that each part time job is equal to one half of a full time job.

Figure 5-1: Economic Sectors of Respondent Businesses



Source: CDM Smith

Businesses were asked to answer a number of questions about their use of aviation in order to assess the following:

- Dependence on commercial airline and general aviation service by the company and their clients
- Reliance on air cargo
- How the lack of aviation in Louisiana would affect businesses
- The level to which various factors, including airports, determine the locations of Louisiana businesses

The survey effort confirmed that many Louisiana businesses rely on the state’s airport system for the transportation of employees, clients, and suppliers, as well as goods. Without aviation, many players in the state’s economy would be forced to scale back their business operations or leave the region altogether.

5.1 Dependence on Commercial Service Aviation

In total, 166 of the 187 respondent businesses (89 percent) reported that their employees used commercial service for business purposes at least once per year. These businesses took an average of 120 trips annually, or 0.41 trips per employee. The average aviation budget for these companies was \$82,283, which comes to \$662 per trip and \$285 per employee. In addition, 142 businesses (76 percent) reported that clients used commercial service flights to visit their place of business, with an average of 63 annual trips reported².

5.2 Dependence on General Aviation

Businesses were also asked to report the nature and extent of their general aviation use. In total, 57 of the responding businesses (30 percent) reported that their employees used general aviation services for business purposes at least once per year. Ways in which businesses reported using general aviation included the following:

- Eleven percent reported owning a general aviation aircraft,
- Four percent have fractional ownership in a general aviation aircraft,
- Nine percent rent or lease a general aviation aircraft for business purposes, and
- Twelve percent use general aviation charters or air taxi.

In addition, 31 percent of respondent businesses reported that their clients used general aviation services to visit their business sites during the year. These 58 businesses reported an average of 17 of these trips.

5.3 Dependence on Air Cargo

Because the shipment of goods is a necessary function of aviation in the business world, surveyed companies were also asked to report their reliance upon air cargo services. In total, 67 percent of surveyed companies reported utilizing some form of air cargo for business needs every year. Of businesses that reported using air cargo, 74 percent shipped documents under two pounds, 80

² These are final calculations after the removal of major statistical outliers.

percent shipped parcels between two and 70 pounds, and 43 percent reported shipping freight over 70 pounds.

5.4 Dependence on Airports

In order to collect qualitative information on business dependence upon aviation, businesses surveyed were asked a series of hypothetical questions about the impact that their company would experience if aviation ceased to exist in Louisiana. In total, 57 percent of surveyed businesses reported that it would have some effect on their Louisiana operations. Detailed results were as follows:

- Four percent of surveyed businesses report that a lack of aviation in Louisiana would cause all of their business operations in the State to cease,
- Twenty-eight percent reported that operations would scale back,
- Thirteen percent reported that their company headquarters would relocate to outside Louisiana, and;
- Fifteen percent gave other reasons ranging from inconvenience to using nearby airports such as Houston.

The final part of the business surveying effort consisted of questions regarding the importance of certain factors and amenities considered by a business when contemplating relocation or expansion. The 13 possible factors, listed in the importance given them by Louisiana businesses, are as follows:

1. Convenient highway access
2. Available trained workforce
3. Quality of life
4. Tax incentives
5. Proximity of suppliers
- 6. A commercial service airport**
7. Natural resources
8. Universities or R&D centers
9. Historic location of business
10. An urban business district
- 11. A general aviation airport**
12. Water transportation facilities
13. Rail transportation facilities

In total, 165 of the surveyed businesses (88 percent) reported that the existence of a commercial service airport is some factor in the choice of business location. In addition, 132 businesses (71 percent) reported that the existence of a general aviation airport was of some significance when determining business location.

Section 6. Qualitative Airport Benefits

Louisiana airports provide substantial quantitative benefits, as explained in the preceding sections. Beyond the quantitative aspects of aviation benefits, there are also qualitative benefits that deserve consideration when the total value of an airport system is analyzed. Qualitative benefits are those activities which take place at an airport on a regular basis that add to the quality of life, but are difficult to assign a dollar value. Qualitative benefits typically enhance the health, welfare, or safety of individuals in the airport's market area. While it may be difficult to place a dollar value on such impacts, these benefits improve the quality of life of Louisiana's residents in a variety of ways.

The activities contributing to the qualitative benefits vary throughout the airport system, yet each airport contributes in some way to the quality of life of residents of Louisiana. Some examples of the qualitative benefits of aviation at Louisiana system airports include:

- Facilitating emergency medical transport
- Providing support for law enforcement
- Conducting search and rescue operations
- Supporting the U.S. military and other government organizations
- Assisting with prisoner transport
- Supporting statewide agricultural activities
- Providing entertainment opportunities (e.g., museums, air shows)
- Hosting school field trips and other educational events
- Serving as a staging area for community events

It is clear from the information gathered at many of Louisiana's airports that these qualitative benefits are taking place across the state. For example, Shreveport Regional Airport sponsors Artport, an annual airport art show that gives local artists an opportunity to showcase their work to the community. Chennault International Airport holds its annual Chennault International Airshow that features military and civilian acts, along with static aircraft displays and family entertainment. Lake Charles Regional Airport is home to a Metro Ambulance Service base that provides valuable life-saving services to southwestern Louisiana.

What is most notable about these and other examples is that no matter how large or small the contributions, all airports contribute in some way to the quality of life of Louisiana residents.

Section 7. Economic Impact Summary

Airports in Louisiana are significant components of the state's economy. This study has examined their economic contributions in terms of jobs, payroll and output from on-airport operations, CIP expenditures, visitor expenditures, and the multiplier impacts resulting from the re-circulation of these direct impacts. It was found that the 68 airports considered in this analysis generated an estimated \$6.7 billion in economic output in 2011.

Table 7-1 provides a summary of each category of economic impacts for all Louisiana airports analyzed in this study. As shown, the airports help to support a total of 58,853 jobs that have an annual payroll of approximately \$1.8 billion.

These are the impacts associated with traditional economic impact modeling. In addition to these quantifiable benefits, there are numerous quality of life benefits, such as medical flights, that Louisiana's airports provide.

Table 7-1: Economic Impact Summary for Airports in Louisiana

Economic Impact by Airports	Direct On-Airport Impacts	Direct CIP Impacts	Direct Visitor-Related Impacts	Multiplier Impacts	Total Impacts
Employment					
Louis Armstrong New Orleans International	2,273	503	19,089	13,756	35,621
Other Commercial Service Airports	3,181	1,417	2,268	7,059	13,925
General Aviation Airports	2,721	361	1,451	4,774	9,307
Total Employment	8,175	2,281	22,808	25,589	58,853
Payroll					
Louis Armstrong New Orleans International	\$92,751,800	\$16,593,400	\$405,352,700	\$422,199,300	\$936,897,200
Other Commercial Service Airports	\$180,827,600	\$46,766,800	\$48,175,100	\$246,622,800	\$522,392,300
General Aviation Airports	\$118,935,500	\$11,922,700	\$30,767,900	\$135,193,200	\$296,819,300
Total Payroll	\$392,514,900	\$75,282,900	\$484,295,700	\$804,015,300	\$1,756,108,800
Output					
Louis Armstrong New Orleans International	\$376,025,200	\$80,229,500	\$1,692,185,400	\$1,407,858,600	\$3,556,298,700
Other Commercial Service Airports	\$905,846,900	\$226,118,300	\$189,959,800	\$903,704,200	\$2,225,629,200
General Aviation Airports	\$432,296,600	\$57,647,200	\$87,604,400	\$389,208,500	\$966,756,700
Total Output	\$1,714,168,700	\$363,995,000	\$1,969,749,600	\$2,700,771,300	\$6,748,684,600

Source: CDM Smith and IMPLAN.

Key study findings are as follows:

- Nearly 3.6 million visitors use the study airports – both commercial and general aviation – to travel to Louisiana. The commercial service airports accounted for most of these visitors, with New Orleans International serving nearly 2.7 million visitors annually. More than 321,000 visitors arrived at locations throughout Louisiana using general aviation aircraft.
- Commercial airlines conducted more than 210,000 operations at Louisiana's commercial service airports. In contrast, general aviation conducted nearly 1.8 million operations around the state during the year, or more than eight times as many operations as the airlines.

- Airports support approximately 58,900 jobs, with a payroll of nearly \$1.8 billion, and produce \$6.7 billion in economic output.

Airports in Louisiana are major economic catalysts for the state and for the communities they serve. They support vital transportation services for all citizens in Louisiana, whether they use the air transportation system directly, or benefit indirectly through the delivery of packages and goods, visits from family and friends, or an improved quality of life. This economic impact analysis has shown that the magnitude of the economic impact that Louisiana receives from its network of airports is significant. In addition to economic benefits, airports provide communities with links to the national air transportation system, and they support many health, welfare, and safety services which improve the quality of life for all residents, businesses, and visitors.

APPENDIX A

Table A1: Estimates of General Aviation Itinerant Arrivals to Louisiana Airports

	Associated City	Airport	Total GA Operations	GA Itinerant Percent	GA Itinerant Operations	True Transient Percent	GA True Transient Operations
Commercial Service Airports							
	Alexandria	England Airpark/Alexandria International Airpark	29,324	16%	4,627	33%	1,527
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	65,173	53%	34,279	33%	11,312
	Lake Charles	Lake Charles Regional	42,194	60%	25,336	33%	8,361
	Lafayette	Lafayette Regional	64,999	15%	9,793	33%	3,232
	Monroe	Monroe Regional	29,053	59%	17,231	33%	5,686
	New Orleans	Louis Armstrong New Orleans International	31,618	59%	18,515	33%	6,110
	Shreveport	Shreveport Regional	41,527	28%	11,706	33%	3,863
Commercial Service Airports Total			303,888	40%	121,487	33%	40,091
General Aviation Airports							
	Abbeville	Abbeville Chris Crusta Memorial	92,345	19%	17,312	33%	5,713
	Alexandria	Esler Regional	8,300	79%	5,000	33%	1,650
	Arcadia	Arcadia-Bienville Parish	8,400	38%	3,200	33%	1,056
	Bastrop	Morehouse Memorial	30,200	33%	10,000	33%	3,300
	Bogalusa	George R. Carr Memorial Air Field	24,000	33%	8,000	33%	2,640
	Bunkie	Bunkie Municipal	7,160	31%	2,000	33%	660
	Columbia	Columbia	13,750	27%	3,750	33%	1,238
	Coushatta	The Red River	4,000	25%	1,000	33%	330
	Covington	St. Tammy Regional	25,600	39%	10,000	33%	3,300
	Crowley	Le Gros Memorial	7,000	29%	2,000	33%	660
	De Quincy	De Quincy Industrial Airpark	8,500	35%	2,600	33%	858
	De Ridder	Beauregard Regional	11,500	35%	4,750	33%	1,568
	Delhi	Delhi Municipal	8,000	50%	4,000	33%	1,320
	Eunice	Eunice	15,000	33%	5,000	33%	1,650
	Farmerville	Union Parish	19,150	12%	1,825	33%	602
	Franklinton	Franklinton	1,460	29%	400	33%	132
	Galliano	South Lafourche Leonard Miller Jr.	13,560	24%	3,260	33%	1,076
	Gonzales	Louisiana Regional	71,500	29%	20,000	33%	6,600
	Hammond	Hammond Northshore Regional	76,850	39%	25,550	33%	8,432
	Homer	Homer Municipal	1,200	46%	550	33%	182
	Houma	Houma-Terrebonne	88,620	23%	20,091	33%	6,630
	Jeanerette	Le Maire Memorial	13,500	41%	5,500	33%	1,815
	Jena	Jena	15,000	33%	5,000	33%	1,650
	Jennings	Jennings	53,010	32%	16,000	33%	5,280
	Jonesboro	Jonesboro	24,500	16%	4,000	33%	1,320
	Jonesville	Jonesville	45,500	22%	10,000	33%	3,300

	Associated City	Airport	Total GA Operations	GA Itinerant Percent	GA Itinerant Operations	True Transient Percent	GA True Transient Operations
	Lake Charles	Chennault International	29,556	66%	4,799	33%	1,584
	Lake Providence	Byerley	7,000	29%	2,000	33%	660
	Leesville	Leesville	14,600	13%	1,600	33%	528
	Mansfield	C.E. "Rusty" Williams	9,300	56%	5,000	33%	1,650
	Many	Hart	5,100	60%	3,000	33%	990
	Marksville	Marksville Municipal	7,000	29%	2,000	33%	660
	Minden	Minden	4,000	21%	2,700	33%	891
	Natchitoches	Natchitoches Regional	16,145	27%	4,300	33%	1,419
	New Iberia	Acadiana Regional	10,977	18%	1,141	33%	377
	New Orleans	Lakefront	67,369	61%	38,992	33%	12,867
	New Roads	False River Regional	50,125	30%	15,000	33%	4,950
	Oak Grove	Kelly	8,000	63%	5,000	33%	1,650
	Oakdale	Allen Parish	17,000	50%	8,000	33%	2,640
	Olla	Olla	3,700	32%	1,200	33%	396
	Opelousas	St. Landry Parish-Ahart Field	18,000	42%	7,500	33%	2,475
	Patterson	Harry P. Williams Memorial	101,075	40%	40,800	33%	13,464
	Pineville	Pineville Municipal	27,000	38%	10,000	33%	3,300
	Pollock	Pollock Municipal	12,500	29%	2,500	33%	825
	Rayville	John H. Hooks Jr. Memorial	18,000	33%	6,000	33%	1,980
	Reserve	St. John the Baptist Parish	7,700	5%	400	33%	132
	Ruston	Ruston Regional	86,000	7%	6,000	33%	1,980
	Shreveport	Shreveport Downtown	60,669	47%	28,343	33%	9,353
	Slidell	Slidell	112,000	28%	30,000	33%	9,900
	Springhill	Springhill	5,000	40%	2,000	33%	660
	St. Joseph	Tensas Parish	15,000	20%	3,000	33%	990
	Sulphur	Southland Field	21,000	42%	8,750	33%	2,888
	Tallulah	Scott	30,000	20%	6,000	33%	1,980
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	7,731	66%	4,800	33%	1,584
	Thibodaux	Thibodaux Municipal	6,000	42%	2,500	33%	825
	Vidalia	Concordia Parish	9,125	50%	4,500	33%	1,485
	Vivian	Vivian	10,500	24%	2,500	33%	825
	Welsh	Welsh	7,300	2%	300	33%	99
	Winnfield	David G. Joyce	4,500	56%	2,500	33%	825
	Winnsboro	Winnsboro Municipal	27,000	19%	5,000	33%	1,650
	Woodworth	Woodworth	18,000	44%	8,000	33%	2,640
	General Aviation Airports Total		1,490,270	31%	466,913	33%	154,081
	All Airports Total		1,794,158	33%	588,400	33%	194,172

Source: FAA 5010 data and airport records. Totals may not sum due to rounding.

Table A2: Estimates of General Aviation Visitors to Louisiana Airports

	Associated City	Airport	GA True Transient Operations	GA True Transient Arrivals	Visitors per Arrival	Estimated GA Visitors
Commercial Service Airports						
	Alexandria	Alexandria	1,527	763	3.4	2,596
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	11,312	5,656	3.4	19,231
	Lake Charles	Lake Charles Regional	8,361	4,180	3.4	14,213
	Lafayette	Lafayette Regional	3,232	1,616	3.4	5,494
	Monroe	Monroe Regional	5,686	2,843	3.4	9,667
	New Orleans	Louis Armstrong New Orleans International	6,110	3,055	3.4	10,387
	Shreveport	Shreveport Regional	3,863	1,931	3.4	6,567
Commercial Service Airports Total			40,091	20,045	1.7	68,154
General Aviation Airports						
	Abbeville	Abbeville	5,713	2,856	3.4	9,712
	Alexandria	Esler Regional	1,650	825	2.6	2,145
	Arcadia	Arcadia-Bienville Parish	1,056	528	2.6	1,373
	Bastrop	Morehouse Memorial	3,300	1,650	3.4	5,610
	Bogalusa	George R. Carr Memorial Air Field	2,640	1,320	3.4	4,488
	Bunkie	Bunkie Municipal	660	330	2.6	858
	Columbia	Columbia	1,238	619	3.4	2,104
	Coushatta	The Red River	330	165	2.6	429
	Covington	St. Tammy Regional	3,300	1,650	3.4	5,610
	Crowley	Le Gros Memorial	660	330	2.6	858
	De Quincy	De Quincy Industrial Airpark	858	429	2.6	1,115
	De Ridder	Beauregard Regional	1,568	784	2.6	2,038
	Delhi	Delhi Municipal	1,320	660	2.6	1,716
	Eunice	Eunice	1,650	825	3.4	2,805
	Farmerville	Union Parish	602	301	3.4	1,024
	Franklinton	Franklinton	132	66	2.6	172
	Galliano	South Lafourche Leonard Miller Jr.	1,076	538	3.4	1,829
	Gonzales	Louisiana Regional	6,600	3,300	3.4	11,220
	Hammond	Hammond Northshore Regional	8,432	4,216	3.4	14,334
	Homer	Homer Municipal	182	91	2.6	236
	Houma	Houma-Terrebonne	6,630	3,315	3.4	11,271
	Jeanerette	Le Maire Memorial	1,815	908	3.4	3,086
	Jena	Jena	1,650	825	3.4	2,805
	Jennings	Jennings	5,280	2,640	3.4	8,976
	Jonesboro	Jonesboro	1,320	660	3.4	2,244
	Jonesville	Jonesville	3,300	1,650	3.4	5,610
	Lake Charles	Chennault International	1,584	792	3.4	2,692
	Lake Providence	Byerley	660	330	2.6	858
	Leesville	Leesville	528	264	3.4	898
	Mansfield	C.E. "Rusty" Williams	1,650	825	2.6	2,145
	Many	Hart	990	495	2.6	1,287
	Marksville	Marksville Municipal	660	330	2.6	858
	Minden	Minden	891	446	2.6	1,158
	Natchitoches	Natchitoches Regional	1,419	710	3.4	2,412

	Associated City	Airport	GA True Transient Operations	GA True Transient Arrivals	Visitors per Arrival	Estimated GA Visitors
	New Iberia	Acadiana Regional	377	188	2.6	489
	New Orleans	Lakefront	12,867	6,434	3.4	21,875
	New Roads	False River Regional	4,950	2,475	3.4	8,415
	Oak Grove	Kelly	1,650	825	2.6	2,145
	Oakdale	Allen Parish	2,640	1,320	3.4	4,488
	Olla	Olla	396	198	2.6	515
	Opelousas	St. Landry Parish-Ahart Field	2,475	1,238	3.4	4,208
	Patterson	Harry P. Williams Memorial	13,464	6,732	3.4	22,889
	Pineville	Pineville Municipal	3,300	1,650	3.4	5,610
	Pollock	Pollock Municipal	825	413	3.4	1,403
	Rayville	John H. Hooks Jr. Memorial	1,980	990	3.4	3,366
	Reserve	St. John the Baptist Parish	132	66	2.6	172
	Ruston	Ruston Regional	1,980	990	3.4	3,366
	Shreveport	Shreveport Downtown	9,353	4,677	3.4	15,900
	Slidell	Slidell	9,900	4,950	3.4	16,830
	Springhill	Springhill	660	330	2.6	858
	St. Joseph	Tensas Parish	990	495	3.4	1,683
	Sulphur	Southland Field	2,888	1,444	3.4	4,909
	Tallulah	Scott	1,980	990	3.4	3,366
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	1,584	792	2.6	2,059
	Thibodaux	Thibodaux Municipal	825	413	2.6	1,073
	Vidalia	Concordia Parish	1,485	743	2.6	1,931
	Vivian	Vivian	825	413	2.6	1,073
	Welsh	Welsh	99	50	2.6	129
	Winnfield	David G. Joyce	825	413	2.6	1,073
	Winnsboro	Winnsboro Municipal	1,650	825	3.4	2,805
	Woodworth	Woodworth	2,640	1,320	3.4	4,488
General Aviation Airports Total			154,081	77,041	1.6	253,089
All Airports Total			194,172	97,086	1.7	321,243

Source: CDM Smith. Totals may not sum due to rounding.

Table A3: Estimates of General Aviation Visitor Expenditures at Louisiana Airports

	Associated City	Airport	Estimated GA Visitors	Avg. Visitor Spending per Trip	Annual GA Visitor Expenditures (Output)
Commercial Service Airports					
	Alexandria	Alexandria	2,596	\$125	\$324,500
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	19,231	\$500	\$9,615,300
	Lake Charles	Lake Charles Regional	14,213	\$500	\$7,106,700
	Lafayette	Lafayette Regional	5,494	\$500	\$2,746,900
	Monroe	Monroe Regional	9,667	\$125	\$1,208,300
	New Orleans	Louis Armstrong New Orleans International	10,387	\$500	\$5,193,500
	Shreveport	Shreveport Regional	6,567	\$500	\$3,283,500
Commercial Service Airports Total			68,154	\$433	\$29,478,700
General Aviation Airports					
	Abbeville	Abbeville	9,712	\$500	\$4,856,000
	Alexandria	Esler Regional	2,145	\$110	\$236,000
	Arcadia	Arcadia-Bienville Parish	1,373	\$110	\$151,000
	Bastrop	Morehouse Memorial	5,610	\$125	\$701,300
	Bogalusa	George R. Carr Memorial Air Field	4,488	\$125	\$561,000
	Bunkie	Bunkie Municipal	858	\$110	\$94,400
	Columbia	Columbia	2,104	\$125	\$263,000
	Coushatta	The Red River	429	\$110	\$47,200
	Covington	St. Tammy Regional	5,610	\$125	\$701,300
	Crowley	Le Gros Memorial	858	\$110	\$94,400
	De Quincy	De Quincy Industrial Airpark	1,115	\$110	\$122,700
	De Ridder	Beauregard Regional	2,038	\$110	\$224,200
	Delhi	Delhi Municipal	1,716	\$110	\$188,800
	Eunice	Eunice	2,805	\$125	\$350,600
	Farmerville	Union Parish	1,024	\$125	\$128,000
	Franklinton	Franklinton	172	\$110	\$18,900
	Galliano	South Lafourche Leonard Miller Jr.	1,829	\$125	\$228,600
	Gonzales	Louisiana Regional	11,220	\$500	\$5,610,000
	Hammond	Hammond Northshore Regional	14,334	\$500	\$7,166,800
	Homer	Homer Municipal	236	\$110	\$26,000
	Houma	Houma-Terrebonne	11,271	\$500	\$5,635,500
	Jeanerette	Le Maire Memorial	3,086	\$125	\$385,700
	Jena	Jena	2,805	\$125	\$350,600
	Jennings	Jennings	8,976	\$500	\$4,488,000
	Jonesboro	Jonesboro	2,244	\$125	\$280,500
	Jonesville	Jonesville	5,610	\$500	\$2,805,000
	Lake Charles	Chennault International	2,692	\$125	\$336,500
	Lake Providence	Byerley	858	\$110	\$94,400
	Leesville	Leesville	898	\$125	\$112,200
	Mansfield	C.E. "Rusty" Williams	2,145	\$110	\$236,000
	Many	Hart	1,287	\$110	\$141,600
	Marksville	Marksville Municipal	858	\$110	\$94,400
	Minden	Minden	1,158	\$110	\$127,400

	Associated City	Airport	Estimated GA Visitors	Avg. Visitor Spending per Trip	Annual GA Visitor Expenditures (Output)
	Natchitoches	Natchitoches Regional	2,412	\$125	\$301,500
	New Iberia	Acadiana Regional	489	\$110	\$53,800
	New Orleans	Lakefront	21,875	\$500	\$10,937,300
	New Roads	False River Regional	8,415	\$500	\$4,207,500
	Oak Grove	Kelly	2,145	\$110	\$236,000
	Oakdale	Allen Parish	4,488	\$125	\$561,000
	Olla	Olla	515	\$110	\$56,600
	Opelousas	St. Landry Parish-Ahart Field	4,208	\$125	\$525,900
	Patterson	Harry P. Williams Memorial	22,889	\$500	\$11,444,400
	Pineville	Pineville Municipal	5,610	\$125	\$701,300
	Pollock	Pollock Municipal	1,403	\$125	\$175,300
	Rayville	John H. Hooks Jr. Memorial	3,366	\$125	\$420,800
	Reserve	St. John the Baptist Parish	172	\$110	\$18,900
	Ruston	Ruston Regional	3,366	\$500	\$1,683,000
	Shreveport	Shreveport Downtown	15,900	\$500	\$7,950,200
	Slidell	Slidell	16,830	\$500	\$8,415,000
	Springhill	Springhill	858	\$110	\$94,400
	St. Joseph	Tensas Parish	1,683	\$125	\$210,400
	Sulphur	Southland Field	4,909	\$125	\$613,600
	Tallulah	Scott	3,366	\$125	\$420,800
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	2,059	\$110	\$226,500
	Thibodaux	Thibodaux Municipal	1,073	\$110	\$118,000
	Vidalia	Concordia Parish	1,931	\$110	\$212,400
	Vivian	Vivian	1,073	\$110	\$118,000
	Welsh	Welsh	129	\$110	\$14,200
	Winnfield	David G. Joyce	1,073	\$110	\$118,000
	Winnsboro	Winnsboro Municipal	2,805	\$125	\$350,600
	Woodworth	Woodworth	4,488	\$125	\$561,000
General Aviation Airports Total			253,089	\$346	\$87,604,400
All Airports Total			321,243	\$364	\$117,083,100

Source: CDM Smith. Totals may not sum due to rounding.

Table A4: Estimates of Commercial Service Visitors to Louisiana Airports

Associated City	Airport	Enplanements	Percent Visitors	Visitors
Alexandria	England Airpark/Alexandria International Airpark	174,858	48.4%	84,631
Baton Rouge	Baton Rouge Metropolitan, Ryan Field	404,735	47.7%	193,059
Lake Charles	Lake Charles Regional	63,987	41.3%	26,427
Lafayette	Lafayette Regional	226,583	42.7%	96,751
Monroe	Monroe Regional	106,544	44.9%	47,838
New Orleans	Louis Armstrong New Orleans International	4,270,866	63.2%	2,699,187
Shreveport	Shreveport Regional	282,598	44.6%	126,039
Total		5,530,171	59.2%	3,273,932

Source: FAA data and airport records.

Table A5: Estimates of Commercial Service Visitor Expenditures at Louisiana Airports

Associated City	Airport	Visitors	Spending per Traveler	Visitor Expenditures
Alexandria	England Airpark/Alexandria International Airpark	84,631	\$197	\$16,672,300
Baton Rouge	Baton Rouge Metropolitan, Ryan Field	193,059	\$293	\$56,566,300
Lake Charles	Lake Charles Regional	26,427	\$348	\$9,196,600
Lafayette	Lafayette Regional	96,751	\$296	\$28,638,300
Monroe	Monroe Regional	47,838	\$293	\$14,016,500
New Orleans	Louis Armstrong New Orleans International	2,699,187	\$625	\$1,686,991,900
Shreveport	Shreveport Regional	126,039	\$322	\$40,584,600
Total		3,273,932	\$566	\$1,852,666,500

Source: CDM Smith and 2010 Louisiana Visitor Profile Report.

Table A6: On-Airport Employment from Louisiana Airports

	Associated City	Airport Name	On-Airport Direct Employment	Multiplier Employment	Total On-Airport Employment
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	332	493	825
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	628	811	1,439
	Lake Charles	Lake Charles Regional	506	677	1,183
	Lafayette	Lafayette Regional	1,071	1,448	2,519
	Monroe	Monroe Regional	162	223	385
	New Orleans	Louis Armstrong New Orleans International	2,273	2,552	4,825
	Shreveport	Shreveport Regional	482	672	1,154
Commercial Service Airports Total			5,454	6,876	12,330
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	7	11	18
	Alexandria	Esler Regional	43	79	122
	Arcadia	Arcadia-Bienville Parish	1	-	1
	Bastrop	Morehouse Memorial	4	6	10
	Bogalusa	George R. Carr Memorial Air Field	3	3	6
	Bunkie	Bunkie Municipal	1	-	1
	Columbia	Columbia	1	-	1
	Coushatta	The Red River	3	4	7
	Covington	St. Tammy Regional	6	8	14
	Crowley	Le Gros Memorial	30	41	71
	De Quincy	De Quincy Industrial Airpark	1	-	1
	De Ridder	Beauregard Regional	6	9	15
	Delhi	Delhi Municipal	1	-	1
	Eunice	Eunice	4	6	10
	Farmerville	Union Parish	1	2	3
	Franklinton	Franklinton	1	-	1
	Galliano	South Lafourche Leonard Miller Jr.	124	170	294
	Gonzales	Louisiana Regional	18	25	43
	Hammond	Hammond Northshore Regional	205	341	546
	Homer	Homer Municipal	1	2	3
	Houma	Houma-Terrebonne	191	264	455
	Jeanerette	Le Maire Memorial	2	2	4
	Jena	Jena	1	-	1
	Jennings	Jennings	15	20	35
	Jonesboro	Jonesboro	1	-	1
	Jonesville	Jonesville	8	11	19
	Lake Charles	Chennault International	1,164	1,608	2,772
	Lake Providence	Byerley	1	-	1
	Leesville	Leesville	4	5	9
	Mansfield	C.E. "Rusty" Williams	2	4	6
	Many	Hart	1	-	1
	Marksville	Marksville Municipal	1	-	1
	Minden	Minden	6	9	15

	Associated City	Airport Name	On-Airport Direct Employment	Multiplier Employment	Total On-Airport Employment
	Natchitoches	Natchitoches Regional	12	18	30
	New Iberia	Acadiana Regional	437	599	1,036
	New Orleans	Lakefront	128	195	323
	New Roads	False River Regional	5	6	11
	Oak Grove	Kelly	5	6	11
	Oakdale	Allen Parish	13	18	31
	Olla	Olla	2	4	6
	Opelousas	St. Landry Parish-Ahart Field	6	10	16
	Patterson	Harry P. Williams Memorial	70	95	165
	Pineville	Pineville Municipal	9	11	20
	Pollock	Pollock Municipal	1	2	3
	Rayville	John H. Hooks Jr. Memorial	1	2	3
	Reserve	St. John the Baptist Parish	1	2	3
	Ruston	Ruston Regional	21	29	50
	Shreveport	Shreveport Downtown	42	54	96
	Slidell	Slidell	46	65	111
	Springhill	Springhill	1	-	1
	St. Joseph	Tensas Parish	1	-	1
	Sulphur	Southland Field	16	23	39
	Tallulah	Scott	2	4	6
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	16	24	40
	Thibodaux	Thibodaux Municipal	2	3	5
	Vidalia	Concordia Parish	5	6	11
	Vivian	Vivian	2	3	5
	Welsh	Welsh	7	9	16
	Winnfield	David G. Joyce	3	3	6
	Winnsboro	Winnsboro Municipal	6	8	14
	Woodworth	Woodworth	3	3	6
	General Aviation Airports Total		2,721	3,832	6,553
	All Airports Total		8,175	10,708	18,883

Source: CDM Smith and IMPLAN.

Table A7: CIP Employment from Louisiana Airports

	Associated City	Airport Name	CIP Direct Employment	Multiplier Employment	Total CIP Employment
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	105	114	219
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	219	238	457
	Lake Charles	Lake Charles Regional	50	55	105
	Lafayette	Lafayette Regional	602	652	1,254
	Monroe	Monroe Regional	75	82	157
	New Orleans	Louis Armstrong New Orleans International	503	545	1,048
	Shreveport	Shreveport Regional	366	396	762
Commercial Service Airports Total			1,920	2,082	4,002
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	4	3	7
	Alexandria	Esler Regional	2	3	5
	Arcadia	Arcadia-Bienville Parish	-	-	-
	Bastrop	Morehouse Memorial	2	2	4
	Bogalusa	George R. Carr Memorial Air Field	12	13	25
	Bunkie	Bunkie Municipal	-	-	-
	Columbia	Columbia	-	-	-
	Coushatta	The Red River	2	1	3
	Covington	St. Tammy Regional	3	2	5
	Crowley	Le Gros Memorial	2	1	3
	De Quincy	De Quincy Industrial Airpark	5	5	10
	De Ridder	Beauregard Regional	2	2	4
	Delhi	Delhi Municipal	-	-	-
	Eunice	Eunice	2	3	5
	Farmerville	Union Parish	1	2	3
	Franklinton	Franklinton	-	-	-
	Galliano	South Lafourche Leonard Miller Jr.	22	25	47
	Gonzales	Louisiana Regional	2	3	5
	Hammond	Hammond Northshore Regional	31	35	66
	Homer	Homer Municipal	2	2	4
	Houma	Houma-Terrebonne	6	7	13
	Jeanerette	Le Maire Memorial	2	2	4
	Jena	Jena	1	1	2
	Jennings	Jennings	4	5	9
	Jonesboro	Jonesboro	1	1	2
	Jonesville	Jonesville	2	3	5
	Lake Charles	Chennault International	120	130	250
	Lake Providence	Byerley	1	1	2
	Leesville	Leesville	1	2	3
	Mansfield	C.E. "Rusty" Williams	3	4	7
	Many	Hart	1	1	2
	Marksville	Marksville Municipal	1	1	2
	Minden	Minden	4	5	9
	Natchitoches	Natchitoches Regional	4	4	8

	Associated City	Airport Name	CIP Direct Employment	Multiplier Employment	Total CIP Employment
	New Iberia	Acadiana Regional	31	33	64
	New Orleans	Lakefront	20	21	41
	New Roads	False River Regional	5	5	10
	Oak Grove	Kelly	2	1	3
	Oakdale	Allen Parish	8	8	16
	Olla	Olla	3	4	7
	Opelousas	St. Landry Parish-Ahart Field	5	6	11
	Patterson	Harry P. Williams Memorial	4	4	8
	Pineville	Pineville Municipal	-	-	-
	Pollock	Pollock Municipal	2	2	4
	Rayville	John H. Hooks Jr. Memorial	2	2	4
	Reserve	St. John the Baptist Parish	2	2	4
	Ruston	Ruston Regional	3	2	5
	Shreveport	Shreveport Downtown	4	5	9
	Slidell	Slidell	4	5	9
	Springhill	Springhill	1	1	2
	St. Joseph	Tensas Parish	1	-	1
	Sulphur	Southland Field	6	6	12
	Tallulah	Scott	-	-	-
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	7	9	16
	Thibodaux	Thibodaux Municipal	1	1	2
	Vidalia	Concordia Parish	2	3	5
	Vivian	Vivian	1	1	2
	Welsh	Welsh	-	-	-
	Winnfield	David G. Joyce	1	-	1
	Winnsboro	Winnsboro Municipal	1	1	2
	Woodworth	Woodworth	-	1	1
General Aviation Airports Total			361	392	753
All Airports Total			2,281	2,474	4,755

Source: CDM Smith and IMPLAN.

Table A8: General Aviation Visitor Employment from Louisiana Airports

	Associated City	Airport Name	GA Visitor-Related Employment	Multiplier Employment	Total GA Visitor-Related Employment
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	5	2	7
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	159	61	220
	Lake Charles	Lake Charles Regional	118	44	162
	Lafayette	Lafayette Regional	45	18	63
	Monroe	Monroe Regional	20	8	28
	New Orleans	Louis Armstrong New Orleans International	86	33	119
	Shreveport	Shreveport Regional	54	21	75
Commercial Service Airports Total			487	187	674
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	80	31	111
	Alexandria	Esler Regional	4	1	5
	Arcadia	Arcadia-Bienville Parish	2	1	3
	Bastrop	Morehouse Memorial	12	4	16
	Bogalusa	George R. Carr Memorial Air Field	9	4	13
	Bunkie	Bunkie Municipal	2	-	2
	Columbia	Columbia	4	2	6
	Coushatta	The Red River	1	-	1
	Covington	St. Tammy Regional	12	4	16
	Crowley	Le Gros Memorial	2	-	2
	De Quincy	De Quincy Industrial Airpark	2	1	3
	De Ridder	Beauregard Regional	4	1	5
	Delhi	Delhi Municipal	3	1	4
	Eunice	Eunice	6	2	8
	Farmerville	Union Parish	2	1	3
	Franklinton	Franklinton	-	-	-
	Galliano	South Lafourche Leonard Miller Jr.	4	1	5
	Gonzales	Louisiana Regional	93	35	128
	Hammond	Hammond Northshore Regional	119	45	164
	Homer	Homer Municipal	-	1	1
	Houma	Houma-Terrebonne	93	36	129
	Jeanerette	Le Maire Memorial	6	3	9
	Jena	Jena	6	2	8
	Jennings	Jennings	74	29	103
	Jonesboro	Jonesboro	5	1	6
	Jonesville	Jonesville	46	18	64
	Lake Charles	Chennault International	6	2	8
	Lake Providence	Byerley	2	-	2
	Leesville	Leesville	2	1	3
	Mansfield	C.E. "Rusty" Williams	4	1	5
	Many	Hart	2	1	3
	Marksville	Marksville Municipal	2	-	2
	Minden	Minden	2	1	3

	Associated City	Airport Name	GA Visitor-Related Employment	Multiplier Employment	Total GA Visitor-Related Employment
	Natchitoches	Natchitoches Regional	5	2	7
	New Iberia	Acadiana Regional	1	-	1
	New Orleans	Lakefront	181	69	250
	New Roads	False River Regional	70	26	96
	Oak Grove	Kelly	4	1	5
	Oakdale	Allen Parish	9	4	13
	Olla	Olla	1	-	1
	Opelousas	St. Landry Parish-Ahart Field	9	3	12
	Patterson	Harry P. Williams Memorial	189	73	262
	Pineville	Pineville Municipal	12	4	16
	Pollock	Pollock Municipal	3	1	4
	Rayville	John H. Hooks Jr. Memorial	7	3	10
	Reserve	St. John the Baptist Parish	-	-	-
	Ruston	Ruston Regional	28	10	38
	Shreveport	Shreveport Downtown	131	51	182
	Slidell	Slidell	139	53	192
	Springhill	Springhill	2	-	2
	St. Joseph	Tensas Parish	3	2	5
	Sulphur	Southland Field	10	4	14
	Tallulah	Scott	7	3	10
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	4	1	5
	Thibodaux	Thibodaux Municipal	2	1	3
	Vidalia	Concordia Parish	4	1	5
	Vivian	Vivian	2	1	3
	Welsh	Welsh	-	-	-
	Winnfield	David G. Joyce	2	1	3
	Winnsboro	Winnsboro Municipal	6	2	8
	Woodworth	Woodworth	9	4	13
	General Aviation Airports Total		1,451	550	2,001
	All Airports Total		1,938	737	2,675

Source: CDM Smith and IMPLAN.

Table A9: Commercial Service Visitor Employment from Louisiana Airports

Associated City	Airport Name	CS Visitor-Related Employment	Multiplier Employment	Total CS Visitor-Related Employment
Commercial Service Airports				
Alexandria	England Airpark/Alexandria International Airpark	188	105	293
Baton Rouge	Baton Rouge Metropolitan, Ryan Field	637	356	993
Lake Charles	Lake Charles Regional	104	58	162
Lafayette	Lafayette Regional	323	181	504
Monroe	Monroe Regional	158	88	246
New Orleans	Louis Armstrong New Orleans International	19,003	10,626	29,629
Shreveport	Shreveport Regional	457	256	713
Commercial Service Airports Total		20,870	11,670	32,540

Source: CDM Smith and IMPLAN.

Table A10: Total Employment from Louisiana Airports

	Associated City	Airport Name	Total Direct Employment	Total Multiplier Employment	Total Employment
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	630	714	1,344
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	1,643	1,466	3,109
	Lake Charles	Lake Charles Regional	778	834	1,612
	Lafayette	Lafayette Regional	2,041	2,299	4,340
	Monroe	Monroe Regional	415	401	816
	New Orleans	Louis Armstrong New Orleans International	21,865	13,756	35,621
	Shreveport	Shreveport Regional	1,359	1,345	2,704
Commercial Service Airports Total			28,731	20,815	49,546
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	91	45	136
	Alexandria	Esler Regional	49	83	132
	Arcadia	Arcadia-Bienville Parish	3	1	4
	Bastrop	Morehouse Memorial	18	12	30
	Bogalusa	George R. Carr Memorial Air Field	24	20	44
	Bunkie	Bunkie Municipal	3	-	3
	Columbia	Columbia	5	2	7
	Coushatta	The Red River	6	5	11
	Covington	St. Tammy Regional	21	14	35
	Crowley	Le Gros Memorial	34	42	76
	De Quincy	De Quincy Industrial Airpark	8	6	14
	De Ridder	Beauregard Regional	12	12	24
	Delhi	Delhi Municipal	4	1	5
	Eunice	Eunice	12	11	23
	Farmerville	Union Parish	4	5	9
	Franklinton	Franklinton	1	-	1
	Galliano	South Lafourche Leonard Miller Jr.	150	196	346
	Gonzales	Louisiana Regional	113	63	176
	Hammond	Hammond Northshore Regional	355	421	776
	Homer	Homer Municipal	3	5	8
	Houma	Houma-Terrebonne	290	307	597
	Jeanerette	Le Maire Memorial	10	7	17
	Jena	Jena	8	3	11
	Jennings	Jennings	93	54	147
	Jonesboro	Jonesboro	7	2	9
	Jonesville	Jonesville	56	32	88
	Lake Charles	Chennault International	1,290	1,740	3,030
	Lake Providence	Byerley	4	1	5
	Leesville	Leesville	7	8	15
	Mansfield	C.E. "Rusty" Williams	9	9	18
	Many	Hart	4	2	6
	Marksville	Marksville Municipal	4	1	5
	Minden	Minden	12	15	27
	Natchitoches	Natchitoches Regional	21	24	45

Associated City	Airport Name	Total Direct Employment	Total Multiplier Employment	Total Employment
New Iberia	Acadiana Regional	469	632	1,101
New Orleans	Lakefront	329	285	614
New Roads	False River Regional	80	37	117
Oak Grove	Kelly	11	8	19
Oakdale	Allen Parish	30	30	60
Olla	Olla	6	8	14
Opelousas	St. Landry Parish-Ahart Field	20	19	39
Patterson	Harry P. Williams Memorial	263	172	435
Pineville	Pineville Municipal	21	15	36
Pollock	Pollock Municipal	6	5	11
Rayville	John H. Hooks Jr. Memorial	10	7	17
Reserve	St. John the Baptist Parish	3	4	7
Ruston	Ruston Regional	52	41	93
Shreveport	Shreveport Downtown	177	110	287
Slidell	Slidell	189	123	312
Springhill	Springhill	4	1	5
St. Joseph	Tensas Parish	5	2	7
Sulphur	Southland Field	32	33	65
Tallulah	Scott	9	7	16
Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	27	34	61
Thibodaux	Thibodaux Municipal	5	5	10
Vidalia	Concordia Parish	11	10	21
Vivian	Vivian	5	5	10
Welsh	Welsh	7	9	16
Winnfield	David G. Joyce	6	4	10
Winnsboro	Winnsboro Municipal	13	11	24
Woodworth	Woodworth	12	8	20
General Aviation Airports Total		4,533	4,774	9,307
All Airports Total		33,264	25,589	58,853

Source: CDM Smith and IMPLAN.

Table A11: On-Airport Payroll from Louisiana Airports

	Associated City	Airport Name	On-Airport Payroll	Multiplier Payroll	Total On-Airport Payroll
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	\$14,349,700	\$16,860,100	\$31,209,800
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	\$30,298,000	\$33,016,500	\$63,314,500
	Lake Charles	Lake Charles Regional	\$21,080,400	\$20,601,100	\$41,681,500
	Lafayette	Lafayette Regional	\$83,225,900	\$71,326,900	\$154,552,800
	Monroe	Monroe Regional	\$8,088,400	\$8,766,900	\$16,855,300
	New Orleans	Louis Armstrong New Orleans International	\$92,751,800	\$99,516,600	\$192,268,400
	Shreveport	Shreveport Regional	\$23,785,200	\$26,290,000	\$50,075,200
Commercial Service Airports Total			\$273,579,400	\$276,378,100	\$549,957,500
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	\$165,200	\$184,800	\$350,000
	Alexandria	Esler Regional	\$1,915,300	\$2,804,100	\$4,719,400
	Arcadia	Arcadia-Bienville Parish	\$12,000	\$17,600	\$29,600
	Bastrop	Morehouse Memorial	\$166,500	\$159,000	\$325,500
	Bogalusa	George R. Carr Memorial Air Field	\$48,800	\$54,300	\$103,100
	Bunkie	Bunkie Municipal	\$12,000	\$17,600	\$29,600
	Columbia	Columbia	\$12,000	\$17,600	\$29,600
	Coushatta	The Red River	\$193,600	\$161,700	\$355,300
	Covington	St. Tammy Regional	\$153,700	\$179,600	\$333,300
	Crowley	Le Gros Memorial	\$1,177,000	\$939,500	\$2,116,500
	De Quincy	De Quincy Industrial Airpark	\$12,000	\$17,600	\$29,600
	De Ridder	Beauregard Regional	\$180,600	\$250,200	\$430,800
	Delhi	Delhi Municipal	\$12,000	\$17,600	\$29,600
	Eunice	Eunice	\$197,100	\$180,200	\$377,300
	Farmerville	Union Parish	\$-	\$-	\$-
	Franklinton	Franklinton	\$12,000	\$17,600	\$29,600
	Galliano	South Lafourche Leonard Miller Jr.	\$5,469,000	\$4,517,900	\$9,986,900
	Gonzales	Louisiana Regional	\$773,700	\$639,500	\$1,413,200
	Hammond	Hammond Northshore Regional	\$11,069,000	\$12,683,000	\$23,752,000
	Homer	Homer Municipal	\$23,000	\$33,900	\$56,900
	Houma	Houma-Terrebonne	\$7,302,300	\$6,145,300	\$13,447,600
	Jeanerette	Le Maire Memorial	\$62,500	\$91,900	\$154,400
	Jena	Jena	\$12,000	\$17,600	\$29,600
	Jennings	Jennings	\$444,000	\$375,600	\$819,600
	Jonesboro	Jonesboro	\$12,000	\$17,600	\$29,600
	Jonesville	Jonesville	\$325,600	\$285,300	\$610,900
	Lake Charles	Chennault International	\$53,273,500	\$44,183,800	\$97,457,300
	Lake Providence	Byerley	\$12,000	\$17,600	\$29,600
	Leesville	Leesville	\$120,000	\$111,400	\$231,400
	Mansfield	C.E. "Rusty" Williams	\$79,300	\$116,600	\$195,900
	Many	Hart	\$12,000	\$17,600	\$29,600
	Marksville	Marksville Municipal	\$12,000	\$17,600	\$29,600
	Minden	Minden	\$266,400	\$293,600	\$560,000
	Natchitoches	Natchitoches Regional	\$441,900	\$506,600	\$948,500

	Associated City	Airport Name	On-Airport Payroll	Multiplier Payroll	Total On-Airport Payroll
	New Iberia	Acadiana Regional	\$15,549,800	\$12,512,900	\$28,062,700
	New Orleans	Lakefront	\$7,935,400	\$9,057,700	\$16,993,100
	New Roads	False River Regional	\$226,000	\$219,900	\$445,900
	Oak Grove	Kelly	\$80,700	\$72,300	\$153,000
	Oakdale	Allen Parish	\$503,800	\$469,700	\$973,500
	Olla	Olla	\$79,300	\$116,600	\$195,900
	Opelousas	St. Landry Parish-Ahart Field	\$190,100	\$231,400	\$421,500
	Patterson	Harry P. Williams Memorial	\$2,605,700	\$2,105,700	\$4,711,400
	Pineville	Pineville Municipal	\$190,000	\$158,900	\$348,900
	Pollock	Pollock Municipal	\$39,600	\$58,300	\$97,900
	Rayville	John H. Hooks Jr. Memorial	\$39,600	\$58,300	\$97,900
	Reserve	St. John the Baptist Parish	\$80,600	\$118,400	\$199,000
	Ruston	Ruston Regional	\$729,200	\$605,500	\$1,334,700
	Shreveport	Shreveport Downtown	\$1,742,200	\$1,532,900	\$3,275,100
	Slidell	Slidell	\$2,410,300	\$2,071,400	\$4,481,700
	Springhill	Springhill	\$12,000	\$17,600	\$29,600
	St. Joseph	Tensas Parish	\$12,000	\$17,600	\$29,600
	Sulphur	Southland Field	\$1,052,800	\$886,900	\$1,939,700
	Tallulah	Scott	\$48,000	\$70,600	\$118,600
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	\$602,900	\$595,200	\$1,198,100
	Thibodaux	Thibodaux Municipal	\$72,000	\$65,300	\$137,300
	Vidalia	Concordia Parish	\$134,300	\$123,500	\$257,800
	Vivian	Vivian	\$66,600	\$61,000	\$127,600
	Welsh	Welsh	\$115,100	\$99,500	\$214,600
	Winnfield	David G. Joyce	\$47,000	\$48,800	\$95,800
	Winnsboro	Winnsboro Municipal	\$260,500	\$214,900	\$475,400
	Woodworth	Woodworth	\$130,000	\$111,300	\$241,300
General Aviation Airports Total			\$118,935,500	\$106,793,500	\$225,729,000
All Airports Total			\$392,514,900	\$383,171,600	\$775,686,500

Source: CDM Smith and IMPLAN.

Table A12: CIP Payroll from Louisiana Airports

	Associated City	Airport Name	CIP Direct Payroll	Multiplier Payroll	Total CIP Payroll
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	\$3,472,600	\$2,515,300	\$5,987,900
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	\$7,232,600	\$5,239,000	\$12,471,600
	Lake Charles	Lake Charles Regional	\$1,655,200	\$1,199,000	\$2,854,200
	Lafayette	Lafayette Regional	\$19,855,000	\$14,382,200	\$34,237,200
	Monroe	Monroe Regional	\$2,487,900	\$1,802,100	\$4,290,000
	New Orleans	Louis Armstrong New Orleans International	\$16,593,400	\$12,019,600	\$28,613,000
	Shreveport	Shreveport Regional	\$12,063,500	\$8,738,300	\$20,801,800
Commercial Service Airports Total			\$63,360,200	\$45,895,500	\$109,255,700
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	\$115,800	\$83,900	\$199,700
	Alexandria	Esler Regional	\$79,200	\$57,300	\$136,500
	Arcadia	Arcadia-Bienville Parish	\$-	\$-	\$-
	Bastrop	Morehouse Memorial	\$62,200	\$45,100	\$107,300
	Bogalusa	George R. Carr Memorial Air Field	\$398,900	\$289,000	\$687,900
	Bunkie	Bunkie Municipal	\$1,700	\$1,300	\$3,000
	Columbia	Columbia	\$-	\$-	\$-
	Coushatta	The Red River	\$52,400	\$38,000	\$90,400
	Covington	St. Tammy Regional	\$87,000	\$63,000	\$150,000
	Crowley	Le Gros Memorial	\$52,300	\$37,800	\$90,100
	De Quincy	De Quincy Industrial Airpark	\$157,600	\$114,200	\$271,800
	De Ridder	Beauregard Regional	\$60,600	\$43,900	\$104,500
	Delhi	Delhi Municipal	\$-	\$-	\$-
	Eunice	Eunice	\$78,600	\$56,900	\$135,500
	Farmerville	Union Parish	\$47,300	\$34,200	\$81,500
	Franklinton	Franklinton	\$1,500	\$1,100	\$2,600
	Galliano	South Lafourche Leonard Miller Jr.	\$740,700	\$536,500	\$1,277,200
	Gonzales	Louisiana Regional	\$73,100	\$53,000	\$126,100
	Hammond	Hammond Northshore Regional	\$1,037,000	\$751,200	\$1,788,200
	Homer	Homer Municipal	\$55,900	\$40,400	\$96,300
	Houma	Houma-Terrebonne	\$205,000	\$148,400	\$353,400
	Jeanerette	Le Maire Memorial	\$63,800	\$46,200	\$110,000
	Jena	Jena	\$31,000	\$22,500	\$53,500
	Jennings	Jennings	\$139,700	\$101,200	\$240,900
	Jonesboro	Jonesboro	\$31,000	\$22,500	\$53,500
	Jonesville	Jonesville	\$75,000	\$54,400	\$129,400
	Lake Charles	Chennault International	\$3,962,800	\$2,870,400	\$6,833,200
	Lake Providence	Byerley	\$31,000	\$22,500	\$53,500
	Leesville	Leesville	\$47,700	\$34,600	\$82,300
	Mansfield	C.E. "Rusty" Williams	\$113,500	\$82,300	\$195,800
	Many	Hart	\$31,000	\$22,500	\$53,500
	Marksville	Marksville Municipal	\$31,000	\$22,500	\$53,500
	Minden	Minden	\$142,900	\$103,500	\$246,400
	Natchitoches	Natchitoches Regional	\$121,500	\$87,900	\$209,400

Associated City	Airport Name	CIP Direct Payroll	Multiplier Payroll	Total CIP Payroll
New Iberia	Acadiana Regional	\$1,008,700	\$730,700	\$1,739,400
New Orleans	Lakefront	\$645,100	\$467,200	\$1,112,300
New Roads	False River Regional	\$165,300	\$119,800	\$285,100
Oak Grove	Kelly	\$54,700	\$39,500	\$94,200
Oakdale	Allen Parish	\$258,000	\$186,900	\$444,900
Olla	Olla	\$113,500	\$82,300	\$195,800
Opelousas	St. Landry Parish-Ahart Field	\$171,300	\$124,100	\$295,400
Patterson	Harry P. Williams Memorial	\$124,200	\$90,000	\$214,200
Pineville	Pineville Municipal	\$2,900	\$2,200	\$5,100
Pollock	Pollock Municipal	\$56,800	\$41,100	\$97,900
Rayville	John H. Hooks Jr. Memorial	\$56,800	\$41,100	\$97,900
Reserve	St. John the Baptist Parish	\$66,300	\$48,100	\$114,400
Ruston	Ruston Regional	\$84,700	\$61,400	\$146,100
Shreveport	Shreveport Downtown	\$146,400	\$106,000	\$252,400
Slidell	Slidell	\$145,600	\$105,500	\$251,100
Springhill	Springhill	\$31,000	\$22,500	\$53,500
St. Joseph	Tensas Parish	\$22,400	\$16,200	\$38,600
Sulphur	Southland Field	\$182,600	\$132,300	\$314,900
Tallulah	Scott	\$-	\$-	\$-
Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	\$245,400	\$177,800	\$423,200
Thibodaux	Thibodaux Municipal	\$31,000	\$22,500	\$53,500
Vidalia	Concordia Parish	\$77,100	\$55,900	\$133,000
Vivian	Vivian	\$37,500	\$27,200	\$64,700
Welsh	Welsh	\$2,700	\$2,000	\$4,700
Winnfield	David G. Joyce	\$23,100	\$16,700	\$39,800
Winnsboro	Winnsboro Municipal	\$32,400	\$23,400	\$55,800
Woodworth	Woodworth	\$8,500	\$6,200	\$14,700
General Aviation Airports Total		\$11,922,700	\$8,636,800	\$20,559,500
All Airports Total		\$75,282,900	\$54,532,300	\$129,815,200

Source: CDM Smith and IMPLAN.

Table A13: General Aviation Visitor Payroll from Louisiana Airports

	Associated City	Airport Name	Visitor-Related Payroll	Multiplier Payroll	Total Visitor-Related Payroll
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	\$114,000	\$73,200	\$187,200
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	\$3,377,000	\$2,169,200	\$5,546,200
	Lake Charles	Lake Charles Regional	\$2,496,000	\$1,603,200	\$4,099,200
	Lafayette	Lafayette Regional	\$964,800	\$619,600	\$1,584,400
	Monroe	Monroe Regional	\$424,400	\$272,600	\$697,000
	New Orleans	Louis Armstrong New Orleans International	\$1,824,000	\$1,171,700	\$2,995,700
	Shreveport	Shreveport Regional	\$1,153,200	\$740,800	\$1,894,000
Commercial Service Airports Total			\$ 10,353,400	\$ 6,650,300	\$17,003,700
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	\$1,705,500	\$1,095,500	\$2,801,000
	Alexandria	Esler Regional	\$82,900	\$53,200	\$136,100
	Arcadia	Arcadia-Bienville Parish	\$53,000	\$34,100	\$87,100
	Bastrop	Morehouse Memorial	\$246,300	\$158,200	\$404,500
	Bogalusa	George R. Carr Memorial Air Field	\$197,000	\$126,600	\$323,600
	Bunkie	Bunkie Municipal	\$33,200	\$21,300	\$54,500
	Columbia	Columbia	\$92,400	\$59,300	\$151,700
	Coushatta	The Red River	\$16,600	\$10,600	\$27,200
	Covington	St. Tammy Regional	\$246,300	\$158,200	\$404,500
	Crowley	Le Gros Memorial	\$33,200	\$21,300	\$54,500
	De Quincy	De Quincy Industrial Airpark	\$43,100	\$27,700	\$70,800
	De Ridder	Beauregard Regional	\$78,700	\$50,600	\$129,300
	Delhi	Delhi Municipal	\$66,300	\$42,600	\$108,900
	Eunice	Eunice	\$123,100	\$79,100	\$202,200
	Farmerville	Union Parish	\$45,000	\$28,800	\$73,800
	Franklinton	Franklinton	\$6,600	\$4,300	\$10,900
	Galliano	South Lafourche Leonard Miller Jr.	\$80,300	\$51,600	\$131,900
	Gonzales	Louisiana Regional	\$1,970,300	\$1,265,600	\$3,235,900
	Hammond	Hammond Northshore Regional	\$2,517,100	\$1,616,800	\$4,133,900
	Homer	Homer Municipal	\$9,100	\$5,900	\$15,000
	Houma	Houma-Terrebonne	\$1,979,300	\$1,271,300	\$3,250,600
	Jeanerette	Le Maire Memorial	\$135,500	\$87,000	\$222,500
	Jena	Jena	\$123,100	\$79,100	\$202,200
	Jennings	Jennings	\$1,576,300	\$1,012,400	\$2,588,700
	Jonesboro	Jonesboro	\$98,500	\$63,300	\$161,800
	Jonesville	Jonesville	\$985,200	\$632,700	\$1,617,900
	Lake Charles	Chennault International	\$118,200	\$75,900	\$194,100
	Lake Providence	Byerley	\$33,200	\$21,300	\$54,500
	Leesville	Leesville	\$39,400	\$25,300	\$64,700
	Mansfield	C.E. "Rusty" Williams	\$82,900	\$53,200	\$136,100
	Many	Hart	\$49,700	\$32,000	\$81,700
	Marksville	Marksville Municipal	\$33,200	\$21,300	\$54,500
	Minden	Minden	\$44,700	\$28,800	\$73,500

Associated City	Airport Name	Visitor-Related Payroll	Multiplier Payroll	Total Visitor-Related Payroll
Natchitoches	Natchitoches Regional	\$105,900	\$68,000	\$173,900
New Iberia	Acadiana Regional	\$18,900	\$12,100	\$31,000
New Orleans	Lakefront	\$3,841,300	\$2,467,400	\$6,308,700
New Roads	False River Regional	\$1,477,700	\$949,200	\$2,426,900
Oak Grove	Kelly	\$82,900	\$53,200	\$136,100
Oakdale	Allen Parish	\$197,000	\$126,600	\$323,600
Olla	Olla	\$19,900	\$12,700	\$32,600
Opelousas	St. Landry Parish-Ahart Field	\$184,700	\$118,600	\$303,300
Patterson	Harry P. Williams Memorial	\$4,019,400	\$2,581,800	\$6,601,200
Pineville	Pineville Municipal	\$246,300	\$158,200	\$404,500
Pollock	Pollock Municipal	\$61,600	\$39,500	\$101,100
Rayville	John H. Hooks Jr. Memorial	\$147,800	\$94,900	\$242,700
Reserve	St. John the Baptist Parish	\$6,600	\$4,300	\$10,900
Ruston	Ruston Regional	\$591,100	\$379,700	\$970,800
Shreveport	Shreveport Downtown	\$2,792,200	\$1,793,500	\$4,585,700
Slidell	Slidell	\$2,955,500	\$1,898,300	\$4,853,800
Springhill	Springhill	\$33,200	\$21,300	\$54,500
St. Joseph	Tensas Parish	\$73,900	\$47,500	\$121,400
Sulphur	Southland Field	\$215,500	\$138,400	\$353,900
Tallulah	Scott	\$147,800	\$94,900	\$242,700
Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	\$79,600	\$51,000	\$130,600
Thibodaux	Thibodaux Municipal	\$41,400	\$26,700	\$68,100
Vidalia	Concordia Parish	\$74,600	\$47,900	\$122,500
Vivian	Vivian	\$41,400	\$26,700	\$68,100
Welsh	Welsh	\$5,000	\$3,200	\$8,200
Winnfield	David G. Joyce	\$41,400	\$26,700	\$68,100
Winnsboro	Winnsboro Municipal	\$123,100	\$79,100	\$202,200
Woodworth	Woodworth	\$197,000	\$126,600	\$323,600
General Aviation Airports Total		\$ 30,767,900	\$19,762,900	\$50,530,800
All Airports Total		\$ 41,121,300	\$26,413,200	\$67,534,500

Source: CDM Smith and IMPLAN.

Table A14: Commercial Service Visitor Payroll from Louisiana Airports

	Associated City	Airport Name	Visitor-Related Payroll	Multiplier Payroll	Total Visitor-Related Payroll
	Alexandria	England Airpark/Alexandria International Airpark	\$3,992,200	\$3,061,900	\$7,054,100
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	\$13,526,700	\$10,374,500	\$23,901,200
	Lake Charles	Lake Charles Regional	\$2,208,400	\$1,693,800	\$3,902,200
	Lafayette	Lafayette Regional	\$6,858,900	\$5,260,500	\$12,119,400
	Monroe	Monroe Regional	\$3,355,100	\$2,573,200	\$5,928,300
	New Orleans	Louis Armstrong New Orleans International	\$403,528,700	\$309,491,400	\$713,020,100
	Shreveport	Shreveport Regional	\$9,704,400	\$7,442,900	\$17,147,300
Commercial Service Airports Total			\$443,174,400	\$339,898,200	\$783,072,600

Source: CDM Smith and IMPLAN.

Table A15: Total Payroll from Louisiana Airports

	Associated City	Airport Name	Total Direct Payroll	Total Multiplier Payroll	Total Payroll
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	\$21,928,500	\$22,510,500	\$44,439,000
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	\$54,434,300	\$50,799,200	\$105,233,500
	Lake Charles	Lake Charles Regional	\$27,440,000	\$25,097,100	\$52,537,100
	Lafayette	Lafayette Regional	\$110,904,600	\$91,589,200	\$202,493,800
	Monroe	Monroe Regional	\$14,355,800	\$13,414,800	\$27,770,600
	New Orleans	Louis Armstrong New Orleans International	\$514,697,900	\$422,199,300	\$936,897,200
	Shreveport	Shreveport Regional	\$46,706,300	\$43,212,000	\$89,918,300
Commercial Service Airports Total			\$790,467,400	\$668,822,100	\$1,459,289,500
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	\$1,986,500	\$1,364,200	\$3,350,700
	Alexandria	Esler Regional	\$2,077,400	\$2,914,600	\$4,992,000
	Arcadia	Arcadia-Bienville Parish	\$65,000	\$51,700	\$116,700
	Bastrop	Morehouse Memorial	\$475,000	\$362,300	\$837,300
	Bogalusa	George R. Carr Memorial Air Field	\$644,700	\$469,900	\$1,114,600
	Bunkie	Bunkie Municipal	\$46,900	\$40,200	\$87,100
	Columbia	Columbia	\$104,400	\$76,900	\$181,300
	Coushatta	The Red River	\$262,600	\$210,300	\$472,900
	Covington	St. Tammy Regional	\$487,000	\$400,800	\$887,800
	Crowley	Le Gros Memorial	\$1,262,500	\$998,600	\$2,261,100
	De Quincy	De Quincy Industrial Airpark	\$212,700	\$159,500	\$372,200
	De Ridder	Beauregard Regional	\$319,900	\$344,700	\$664,600
	Delhi	Delhi Municipal	\$78,300	\$60,200	\$138,500
	Eunice	Eunice	\$398,800	\$316,200	\$715,000
	Farmerville	Union Parish	\$92,300	\$63,000	\$155,300
	Franklinton	Franklinton	\$20,100	\$23,000	\$43,100
	Galliano	South Lafourche Leonard Miller Jr.	\$6,290,000	\$5,106,000	\$11,396,000
	Gonzales	Louisiana Regional	\$2,817,100	\$1,958,100	\$4,775,200
	Hammond	Hammond Northshore Regional	\$14,623,100	\$15,051,000	\$29,674,100
	Homer	Homer Municipal	\$88,000	\$80,200	\$168,200
	Houma	Houma-Terrebonne	\$9,486,600	\$7,565,000	\$17,051,600
	Jeanerette	Le Maire Memorial	\$261,800	\$225,100	\$486,900
	Jena	Jena	\$166,100	\$119,200	\$285,300
	Jennings	Jennings	\$2,160,000	\$1,489,200	\$3,649,200
	Jonesboro	Jonesboro	\$141,500	\$103,400	\$244,900
	Jonesville	Jonesville	\$1,385,800	\$972,400	\$2,358,200
	Lake Charles	Chennault International	\$57,354,500	\$47,130,100	\$104,484,600
	Lake Providence	Byerley	\$76,200	\$61,400	\$137,600
	Leesville	Leesville	\$207,100	\$171,300	\$378,400
	Mansfield	C.E. "Rusty" Williams	\$275,700	\$252,100	\$527,800
	Many	Hart	\$92,700	\$72,100	\$164,800
	Marksville	Marksville Municipal	\$76,200	\$61,400	\$137,600
	Minden	Minden	\$454,000	\$425,900	\$879,900
	Natchitoches	Natchitoches Regional	\$669,300	\$662,500	\$1,331,800

	Associated City	Airport Name	Total Direct Payroll	Total Multiplier Payroll	Total Payroll
	New Iberia	Acadiana Regional	\$16,577,400	\$13,255,700	\$29,833,100
	New Orleans	Lakefront	\$12,421,800	\$11,992,300	\$24,414,100
	New Roads	False River Regional	\$1,869,000	\$1,288,900	\$3,157,900
	Oak Grove	Kelly	\$218,300	\$165,000	\$383,300
	Oakdale	Allen Parish	\$958,800	\$783,200	\$1,742,000
	Olla	Olla	\$212,700	\$211,600	\$424,300
	Opelousas	St. Landry Parish-Ahart Field	\$546,100	\$474,100	\$1,020,200
	Patterson	Harry P. Williams Memorial	\$6,749,300	\$4,777,500	\$11,526,800
	Pineville	Pineville Municipal	\$439,200	\$319,300	\$758,500
	Pollock	Pollock Municipal	\$158,000	\$138,900	\$296,900
	Rayville	John H. Hooks Jr. Memorial	\$244,200	\$194,300	\$438,500
	Reserve	St. John the Baptist Parish	\$153,500	\$170,800	\$324,300
	Ruston	Ruston Regional	\$1,405,000	\$1,046,600	\$2,451,600
	Shreveport	Shreveport Downtown	\$4,680,800	\$3,432,400	\$8,113,200
	Slidell	Slidell	\$5,511,400	\$4,075,200	\$9,586,600
	Springhill	Springhill	\$76,200	\$61,400	\$137,600
	St. Joseph	Tensas Parish	\$108,300	\$81,300	\$189,600
	Sulphur	Southland Field	\$1,450,900	\$1,157,600	\$2,608,500
	Tallulah	Scott	\$195,800	\$165,500	\$361,300
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	\$927,900	\$824,000	\$1,751,900
	Thibodaux	Thibodaux Municipal	\$144,400	\$114,500	\$258,900
	Vidalia	Concordia Parish	\$286,000	\$227,300	\$513,300
	Vivian	Vivian	\$145,500	\$114,900	\$260,400
	Welsh	Welsh	\$122,800	\$104,700	\$227,500
	Winnfield	David G. Joyce	\$111,500	\$92,200	\$203,700
	Winnsboro	Winnsboro Municipal	\$416,000	\$317,400	\$733,400
	Woodworth	Woodworth	\$335,500	\$244,100	\$579,600
	General Aviation Airports Total		\$161,626,100	\$135,193,200	\$296,819,300
	All Airports Total		\$952,093,500	\$804,015,300	\$1,756,108,800

Source: CDM Smith and IMPLAN.

Table A16: On-Airport Output from Louisiana Airports

	Associated City	Airport Name	On-Airport Output	Multiplier Output	Total On-Airport Output
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	\$50,291,800	\$35,992,300	\$86,284,100
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	\$102,403,400	\$71,326,000	\$173,729,400
	Lake Charles	Lake Charles Regional	\$109,762,500	\$73,077,000	\$182,839,500
	Lafayette	Lafayette Regional	\$534,733,000	\$348,876,900	\$883,609,900
	Monroe	Monroe Regional	\$27,634,800	\$19,173,800	\$46,808,600
	New Orleans	Louis Armstrong New Orleans International	\$376,025,200	\$264,699,900	\$640,725,100
	Shreveport	Shreveport Regional	\$81,021,400	\$56,419,800	\$137,441,200
Commercial Service Airports Total			\$1,281,872,100	\$869,565,700	\$2,151,437,800
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	\$608,900	\$437,800	\$1,046,700
	Alexandria	Esler Regional	\$2,772,700	\$2,293,100	\$5,065,800
	Arcadia	Arcadia-Bienville Parish	\$24,000	\$20,000	\$44,000
	Bastrop	Morehouse Memorial	\$759,700	\$512,000	\$1,271,700
	Bogalusa	George R. Carr Memorial Air Field	\$192,900	\$139,800	\$332,700
	Bunkie	Bunkie Municipal	\$37,000	\$30,800	\$67,800
	Columbia	Columbia	\$24,000	\$20,000	\$44,000
	Coushatta	The Red River	\$691,100	\$449,500	\$1,140,600
	Covington	St. Tammy Regional	\$538,100	\$392,600	\$930,700
	Crowley	Le Gros Memorial	\$4,867,900	\$3,155,300	\$8,023,200
	De Quincy	De Quincy Industrial Airpark	\$38,500	\$32,100	\$70,600
	De Ridder	Beauregard Regional	\$611,100	\$490,100	\$1,101,200
	Delhi	Delhi Municipal	\$24,000	\$20,000	\$44,000
	Eunice	Eunice	\$739,100	\$498,000	\$1,237,100
	Farmerville	Union Parish	\$18,700	\$15,600	\$34,300
	Franklinton	Franklinton	\$24,000	\$20,000	\$44,000
	Galliano	South Lafourche Leonard Miller Jr.	\$30,574,400	\$19,826,300	\$50,400,700
	Gonzales	Louisiana Regional	\$2,748,900	\$1,804,100	\$4,553,000
	Hammond	Hammond Northshore Regional	\$29,382,200	\$20,528,100	\$49,910,300
	Homer	Homer Municipal	\$73,000	\$60,600	\$133,600
	Houma	Houma-Terrebonne	\$40,013,600	\$26,038,800	\$66,052,400
	Jeanerette	Le Maire Memorial	\$412,500	\$343,200	\$755,700
	Jena	Jena	\$24,000	\$20,000	\$44,000
	Jennings	Jennings	\$2,841,900	\$1,855,900	\$4,697,800
	Jonesboro	Jonesboro	\$24,000	\$20,000	\$44,000
	Jonesville	Jonesville	\$2,236,400	\$1,463,100	\$3,699,500
	Lake Charles	Chennault International	\$184,061,000	\$120,494,200	\$304,555,200
	Lake Providence	Byerley	\$24,000	\$20,000	\$44,000
	Leesville	Leesville	\$560,400	\$408,500	\$968,900
	Mansfield	C.E. "Rusty" Williams	\$242,800	\$201,900	\$444,700
	Many	Hart	\$24,000	\$20,000	\$44,000
	Marksville	Marksville Municipal	\$24,000	\$20,000	\$44,000
	Minden	Minden	\$1,459,000	\$1,110,700	\$2,569,700
	Natchitoches	Natchitoches Regional	\$1,913,800	\$1,382,600	\$3,296,400

	Associated City	Airport Name	On-Airport Output	Multiplier Output	Total On-Airport Output
	New Iberia	Acadiana Regional	\$51,871,200	\$33,653,000	\$85,524,200
	New Orleans	Lakefront	\$25,268,000	\$17,569,800	\$42,837,800
	New Roads	False River Regional	\$1,091,300	\$752,300	\$1,843,600
	Oak Grove	Kelly	\$320,400	\$211,500	\$531,900
	Oakdale	Allen Parish	\$3,122,400	\$2,052,900	\$5,175,300
	Olla	Olla	\$242,800	\$201,900	\$444,700
	Opelousas	St. Landry Parish-Ahart Field	\$751,500	\$552,500	\$1,304,000
	Patterson	Harry P. Williams Memorial	\$15,616,300	\$10,096,900	\$25,713,200
	Pineville	Pineville Municipal	\$716,500	\$465,900	\$1,182,400
	Pollock	Pollock Municipal	\$121,400	\$101,000	\$222,400
	Rayville	John H. Hooks Jr. Memorial	\$121,400	\$101,000	\$222,400
	Reserve	St. John the Baptist Parish	\$279,000	\$232,100	\$511,100
	Ruston	Ruston Regional	\$3,323,200	\$2,162,900	\$5,486,100
	Shreveport	Shreveport Downtown	\$5,849,500	\$3,917,200	\$9,766,700
	Slidell	Slidell	\$6,144,100	\$4,039,700	\$10,183,800
	Springhill	Springhill	\$48,500	\$40,400	\$88,900
	St. Joseph	Tensas Parish	\$24,000	\$20,000	\$44,000
	Sulphur	Southland Field	\$3,991,200	\$2,634,800	\$6,626,000
	Tallulah	Scott	\$96,000	\$79,900	\$175,900
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	\$1,759,500	\$1,176,500	\$2,936,000
	Thibodaux	Thibodaux Municipal	\$74,000	\$52,200	\$126,200
	Vidalia	Concordia Parish	\$718,700	\$483,800	\$1,202,500
	Vivian	Vivian	\$203,700	\$135,800	\$339,500
	Welsh	Welsh	\$463,400	\$303,000	\$766,400
	Winnfield	David G. Joyce	\$52,700	\$40,700	\$93,400
	Winnsboro	Winnsboro Municipal	\$873,900	\$567,300	\$1,441,200
	Woodworth	Woodworth	\$540,400	\$352,500	\$892,900
General Aviation Airports Total			\$432,296,600	\$286,142,200	\$718,438,800
All Airports Total			\$1,714,168,700	\$1,155,707,900	\$2,869,876,600

Source: CDM Smith and IMPLAN.

Table A17: CIP Output from Louisiana Airports

	Associated City	Airport Name	CIP Direct Output	Multiplier Output	Total CIP Output
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	\$16,789,900	\$13,143,900	\$29,933,800
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	\$34,969,800	\$27,376,100	\$62,345,900
	Lake Charles	Lake Charles Regional	\$8,003,000	\$6,265,100	\$14,268,100
	Lafayette	Lafayette Regional	\$95,999,500	\$75,153,100	\$171,152,600
	Monroe	Monroe Regional	\$12,028,800	\$9,416,800	\$21,445,600
	New Orleans	Louis Armstrong New Orleans International	\$80,229,500	\$62,807,700	\$143,037,200
	Shreveport	Shreveport Regional	\$58,327,300	\$45,661,600	\$103,988,900
Commercial Service Airports Total			\$306,347,800	\$239,824,300	\$546,172,100
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	\$559,900	\$438,400	\$998,300
	Alexandria	Esler Regional	\$382,800	\$299,700	\$682,500
	Arcadia	Arcadia-Bienville Parish	\$-	\$-	\$-
	Bastrop	Morehouse Memorial	\$300,900	\$235,600	\$536,500
	Bogalusa	George R. Carr Memorial Air Field	\$1,928,700	\$1,509,900	\$3,438,600
	Bunkie	Bunkie Municipal	\$8,300	\$6,600	\$14,900
	Columbia	Columbia	\$-	\$-	\$-
	Coushatta	The Red River	\$253,400	\$198,300	\$451,700
	Covington	St. Tammy Regional	\$420,500	\$329,200	\$749,700
	Crowley	Le Gros Memorial	\$252,700	\$197,800	\$450,500
	De Quincy	De Quincy Industrial Airpark	\$762,000	\$596,500	\$1,358,500
	De Ridder	Beauregard Regional	\$292,900	\$229,400	\$522,300
	Delhi	Delhi Municipal	\$-	\$-	\$-
	Eunice	Eunice	\$380,000	\$297,400	\$677,400
	Farmerville	Union Parish	\$228,600	\$179,000	\$407,600
	Franklinton	Franklinton	\$7,200	\$5,700	\$12,900
	Galliano	South Lafourche Leonard Miller Jr.	\$3,581,200	\$2,803,600	\$6,384,800
	Gonzales	Louisiana Regional	\$353,500	\$276,700	\$630,200
	Hammond	Hammond Northshore Regional	\$5,014,000	\$3,925,200	\$8,939,200
	Homer	Homer Municipal	\$270,100	\$211,400	\$481,500
	Houma	Houma-Terrebonne	\$991,000	\$775,800	\$1,766,800
	Jeanerette	Le Maire Memorial	\$308,300	\$241,400	\$549,700
	Jena	Jena	\$150,000	\$117,400	\$267,400
	Jennings	Jennings	\$675,500	\$528,800	\$1,204,300
	Jonesboro	Jonesboro	\$150,000	\$117,400	\$267,400
	Jonesville	Jonesville	\$362,800	\$284,100	\$646,900
	Lake Charles	Chennault International	\$19,160,000	\$14,999,400	\$34,159,400
	Lake Providence	Byerley	\$150,000	\$117,400	\$267,400
	Leesville	Leesville	\$230,800	\$180,700	\$411,500
	Mansfield	C.E. "Rusty" Williams	\$549,000	\$429,700	\$978,700
	Many	Hart	\$150,000	\$117,400	\$267,400
	Marksville	Marksville Municipal	\$150,000	\$117,400	\$267,400
	Minden	Minden	\$691,000	\$540,900	\$1,231,900
	Natchitoches	Natchitoches Regional	\$587,200	\$459,800	\$1,047,000

	Associated City	Airport Name	CIP Direct Output	Multiplier Output	Total CIP Output
	New Iberia	Acadiana Regional	\$4,877,300	\$3,818,200	\$8,695,500
	New Orleans	Lakefront	\$3,118,900	\$2,441,600	\$5,560,500
	New Roads	False River Regional	\$799,300	\$625,700	\$1,425,000
	Oak Grove	Kelly	\$264,200	\$206,900	\$471,100
	Oakdale	Allen Parish	\$1,247,400	\$976,500	\$2,223,900
	Olla	Olla	\$549,000	\$429,700	\$978,700
	Opelousas	St. Landry Parish-Ahart Field	\$828,300	\$648,400	\$1,476,700
	Patterson	Harry P. Williams Memorial	\$600,500	\$470,200	\$1,070,700
	Pineville	Pineville Municipal	\$14,200	\$11,100	\$25,300
	Pollock	Pollock Municipal	\$274,500	\$214,900	\$489,400
	Rayville	John H. Hooks Jr. Memorial	\$274,500	\$214,900	\$489,400
	Reserve	St. John the Baptist Parish	\$320,700	\$251,000	\$571,700
	Ruston	Ruston Regional	\$409,600	\$320,600	\$730,200
	Shreveport	Shreveport Downtown	\$707,700	\$554,000	\$1,261,700
	Slidell	Slidell	\$704,000	\$551,100	\$1,255,100
	Springhill	Springhill	\$150,000	\$117,400	\$267,400
	St. Joseph	Tensas Parish	\$108,300	\$84,800	\$193,100
	Sulphur	Southland Field	\$883,000	\$691,300	\$1,574,300
	Tallulah	Scott	\$-	\$-	\$-
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	\$1,186,700	\$929,100	\$2,115,800
	Thibodaux	Thibodaux Municipal	\$150,000	\$117,400	\$267,400
	Vidalia	Concordia Parish	\$373,000	\$291,900	\$664,900
	Vivian	Vivian	\$181,400	\$142,000	\$323,400
	Welsh	Welsh	\$13,100	\$10,300	\$23,400
	Winnfield	David G. Joyce	\$111,500	\$87,300	\$198,800
	Winnsboro	Winnsboro Municipal	\$156,600	\$122,600	\$279,200
	Woodworth	Woodworth	\$41,200	\$32,300	\$73,500
	General Aviation Airports Total		\$57,647,200	\$45,129,200	\$102,776,400
	All Airports Total		\$363,995,000	\$284,953,500	\$648,948,500

Source: CDM Smith and IMPLAN.

Table A18: General Aviation Visitor Output from Louisiana Airports

	Associated City	Airport Name	Visitor-Related Output	Multiplier Output	Total Visitor Related Output
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airpark	\$324,500	\$214,600	\$539,100
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	\$9,615,300	\$6,359,100	\$15,974,400
	Lake Charles	Lake Charles Regional	\$7,106,700	\$4,700,000	\$11,806,700
	Lafayette	Lafayette Regional	\$2,746,900	\$1,816,700	\$4,563,600
	Monroe	Monroe Regional	\$1,208,300	\$799,100	\$2,007,400
	New Orleans	Louis Armstrong New Orleans International	\$5,193,500	\$3,434,700	\$8,628,200
	Shreveport	Shreveport Regional	\$3,283,500	\$2,171,500	\$5,455,000
Commercial Service Airports Total			\$29,478,700	\$19,495,700	\$48,974,400
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	\$4,856,000	\$3,211,500	\$8,067,500
	Alexandria	Esler Regional	\$236,000	\$156,100	\$392,100
	Arcadia	Arcadia-Bienville Parish	\$151,000	\$99,900	\$250,900
	Bastrop	Morehouse Memorial	\$701,300	\$463,800	\$1,165,100
	Bogalusa	George R. Carr Memorial Air Field	\$561,000	\$371,000	\$932,000
	Bunkie	Bunkie Municipal	\$94,400	\$62,400	\$156,800
	Columbia	Columbia	\$263,000	\$173,900	\$436,900
	Coushatta	The Red River	\$47,200	\$31,200	\$78,400
	Covington	St. Tammy Regional	\$701,300	\$463,800	\$1,165,100
	Crowley	Le Gros Memorial	\$94,400	\$62,400	\$156,800
	De Quincy	De Quincy Industrial Airpark	\$122,700	\$81,100	\$203,800
	De Ridder	Beauregard Regional	\$224,200	\$148,300	\$372,500
	Delhi	Delhi Municipal	\$188,800	\$124,900	\$313,700
	Eunice	Eunice	\$350,600	\$231,900	\$582,500
	Farmerville	Union Parish	\$128,000	\$84,700	\$212,700
	Franklinton	Franklinton	\$18,900	\$12,500	\$31,400
	Galliano	South Lafourche Leonard Miller Jr.	\$228,600	\$151,200	\$379,800
	Gonzales	Louisiana Regional	\$5,610,000	\$3,710,200	\$9,320,200
	Hammond	Hammond Northshore Regional	\$7,166,800	\$4,739,800	\$11,906,600
	Homer	Homer Municipal	\$26,000	\$17,200	\$43,200
	Houma	Houma-Terrebonne	\$5,635,500	\$3,727,000	\$9,362,500
	Jeanerette	Le Maire Memorial	\$385,700	\$255,100	\$640,800
	Jena	Jena	\$350,600	\$231,900	\$582,500
	Jennings	Jennings	\$4,488,000	\$2,968,100	\$7,456,100
	Jonesboro	Jonesboro	\$280,500	\$185,500	\$466,000
	Jonesville	Jonesville	\$2,805,000	\$1,855,100	\$4,660,100
	Lake Charles	Chennault International	\$336,500	\$222,500	\$559,000
	Lake Providence	Byerley	\$94,400	\$62,400	\$156,800
	Leesville	Leesville	\$112,200	\$74,200	\$186,400
	Mansfield	C.E. "Rusty" Williams	\$236,000	\$156,100	\$392,100
	Many	Hart	\$141,600	\$93,600	\$235,200
	Marksville	Marksville Municipal	\$94,400	\$62,400	\$156,800
	Minden	Minden	\$127,400	\$84,300	\$211,700

	Associated City	Airport Name	Visitor-Related Output	Multiplier Output	Total Visitor Related Output
	Natchitoches	Natchitoches Regional	\$301,500	\$199,400	\$500,900
	New Iberia	Acadiana Regional	\$53,800	\$35,600	\$89,400
	New Orleans	Lakefront	\$10,937,300	\$7,233,400	\$18,170,700
	New Roads	False River Regional	\$4,207,500	\$2,782,600	\$6,990,100
	Oak Grove	Kelly	\$236,000	\$156,100	\$392,100
	Oakdale	Allen Parish	\$561,000	\$371,000	\$932,000
	Olla	Olla	\$56,600	\$37,400	\$94,000
	Opelousas	St. Landry Parish-Ahart Field	\$525,900	\$347,800	\$873,700
	Patterson	Harry P. Williams Memorial	\$11,444,400	\$7,568,800	\$19,013,200
	Pineville	Pineville Municipal	\$701,300	\$463,800	\$1,165,100
	Pollock	Pollock Municipal	\$175,300	\$115,900	\$291,200
	Rayville	John H. Hooks Jr. Memorial	\$420,800	\$278,300	\$699,100
	Reserve	St. John the Baptist Parish	\$18,900	\$12,500	\$31,400
	Ruston	Ruston Regional	\$1,683,000	\$1,113,100	\$2,796,100
	Shreveport	Shreveport Downtown	\$7,950,200	\$5,257,900	\$13,208,100
	Slidell	Slidell	\$8,415,000	\$5,565,300	\$13,980,300
	Springhill	Springhill	\$94,400	\$62,400	\$156,800
	St. Joseph	Tensas Parish	\$210,400	\$139,100	\$349,500
	Sulphur	Southland Field	\$613,600	\$405,800	\$1,019,400
	Tallulah	Scott	\$420,800	\$278,300	\$699,100
	Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	\$226,500	\$149,800	\$376,300
	Thibodaux	Thibodaux Municipal	\$118,000	\$78,000	\$196,000
	Vidalia	Concordia Parish	\$212,400	\$140,500	\$352,900
	Vivian	Vivian	\$118,000	\$78,000	\$196,000
	Welsh	Welsh	\$14,200	\$9,400	\$23,600
	Winnfield	David G. Joyce	\$118,000	\$78,000	\$196,000
	Winnsboro	Winnsboro Municipal	\$350,600	\$231,900	\$582,500
	Woodworth	Woodworth	\$561,000	\$371,000	\$932,000
General Aviation Airports Total			\$87,604,400	\$57,937,100	\$145,541,500
All Airports Total			\$117,083,100	\$77,432,800	\$194,515,900

Source: CDM Smith and IMPLAN.

Table A19: Commercial Service Visitor Output from Louisiana Airports

	Associated City	Airport Name	Visitor-Related Output	Multiplier Output	Total Visitor Related Output
	Alexandria	England Airpark/Alexandria International Airpark	\$16,672,300	\$10,643,000	\$27,315,300
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	\$56,566,300	\$36,109,900	\$92,676,200
	Lake Charles	Lake Charles Regional	\$9,196,600	\$5,870,800	\$15,067,400
	Lafayette	Lafayette Regional	\$28,638,300	\$18,281,700	\$46,920,000
	Monroe	Monroe Regional	\$14,016,500	\$8,947,600	\$22,964,100
	New Orleans	Louis Armstrong New Orleans International	\$1,686,991,900	\$1,076,916,300	\$2,763,908,200
	Shreveport	Shreveport Regional	\$40,584,600	\$25,907,800	\$66,492,400
Commercial Service Airports Total			\$1,852,666,500	\$1,182,677,100	\$3,035,343,600

Source: CDM Smith and IMPLAN.

Table A20: Total Output from Louisiana Airports

	Associated City	Airport Name	Total Direct Output	Total Multiplier Output	Total Output
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airport	\$84,078,500	\$59,993,800	\$144,072,300
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	\$203,554,800	\$141,171,100	\$344,725,900
	Lake Charles	Lake Charles Regional	\$134,068,800	\$89,912,900	\$223,981,700
	Lafayette	Lafayette Regional	\$662,117,700	\$444,128,400	\$1,106,246,100
	Monroe	Monroe Regional	\$54,888,400	\$38,337,300	\$93,225,700
	New Orleans	Louis Armstrong New Orleans International	\$2,148,440,100	\$1,407,858,600	\$3,556,298,700
	Shreveport	Shreveport Regional	\$183,216,800	\$130,160,700	\$313,377,500
Commercial Service Airports Total			\$3,470,365,100	\$2,311,562,800	\$5,781,927,900
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	\$6,024,800	\$4,087,700	\$10,112,500
	Alexandria	Esler Regional	\$3,391,500	\$2,748,900	\$6,140,400
	Arcadia	Arcadia-Bienville Parish	\$175,000	\$119,900	\$294,900
	Bastrop	Morehouse Memorial	\$1,761,900	\$1,211,400	\$2,973,300
	Bogalusa	George R. Carr Memorial Air Field	\$2,682,600	\$2,020,700	\$4,703,300
	Bunkie	Bunkie Municipal	\$139,700	\$99,800	\$239,500
	Columbia	Columbia	\$287,000	\$193,900	\$480,900
	Coushatta	The Red River	\$991,700	\$679,000	\$1,670,700
	Covington	St. Tammy Regional	\$1,659,900	\$1,185,600	\$2,845,500
	Crowley	Le Gros Memorial	\$5,215,000	\$3,415,500	\$8,630,500
	De Quincy	De Quincy Industrial Airpark	\$923,200	\$709,700	\$1,632,900
	De Ridder	Beauregard Regional	\$1,128,200	\$867,800	\$1,996,000
	Delhi	Delhi Municipal	\$212,800	\$144,900	\$357,700
	Eunice	Eunice	\$1,469,700	\$1,027,300	\$2,497,000
	Farmerville	Union Parish	\$375,300	\$279,300	\$654,600
	Franklinton	Franklinton	\$50,100	\$38,200	\$88,300
	Galliano	South Lafourche Leonard Miller Jr.	\$34,384,200	\$22,781,100	\$57,165,300
	Gonzales	Louisiana Regional	\$8,712,400	\$5,791,000	\$14,503,400
	Hammond	Hammond Northshore Regional	\$41,563,000	\$29,193,100	\$70,756,100
	Homer	Homer Municipal	\$369,100	\$289,200	\$658,300
	Houma	Houma-Terrebonne	\$46,640,100	\$30,541,600	\$77,181,700
	Jeanerette	Le Maire Memorial	\$1,106,500	\$839,700	\$1,946,200
	Jena	Jena	\$524,600	\$369,300	\$893,900
	Jennings	Jennings	\$8,005,400	\$5,352,800	\$13,358,200
	Jonesboro	Jonesboro	\$454,500	\$322,900	\$777,400
	Jonesville	Jonesville	\$5,404,200	\$3,602,300	\$9,006,500
	Lake Charles	Chennault International	\$203,557,500	\$135,716,100	\$339,273,600
	Lake Providence	Byerley	\$268,400	\$199,800	\$468,200
	Leesville	Leesville	\$903,400	\$663,400	\$1,566,800
	Mansfield	C.E. "Rusty" Williams	\$1,027,800	\$787,700	\$1,815,500
	Many	Hart	\$315,600	\$231,000	\$546,600
	Marksville	Marksville Municipal	\$268,400	\$199,800	\$468,200
	Minden	Minden	\$2,277,400	\$1,735,900	\$4,013,300
	Natchitoches	Natchitoches Regional	\$2,802,500	\$2,041,800	\$4,844,300

Associated City	Airport Name	Total Direct Output	Total Multiplier Output	Total Output
New Iberia	Acadiana Regional	\$56,802,300	\$37,506,800	\$94,309,100
New Orleans	Lakefront	\$39,324,200	\$27,244,800	\$66,569,000
New Roads	False River Regional	\$6,098,100	\$4,160,600	\$10,258,700
Oak Grove	Kelly	\$820,600	\$574,500	\$1,395,100
Oakdale	Allen Parish	\$4,930,800	\$3,400,400	\$8,331,200
Olla	Olla	\$848,400	\$669,000	\$1,517,400
Opelousas	St. Landry Parish-Ahart Field	\$2,105,700	\$1,548,700	\$3,654,400
Patterson	Harry P. Williams Memorial	\$27,661,200	\$18,135,900	\$45,797,100
Pineville	Pineville Municipal	\$1,432,000	\$940,800	\$2,372,800
Pollock	Pollock Municipal	\$571,200	\$431,800	\$1,003,000
Rayville	John H. Hooks Jr. Memorial	\$816,700	\$594,200	\$1,410,900
Reserve	St. John the Baptist Parish	\$618,600	\$495,600	\$1,114,200
Ruston	Ruston Regional	\$5,415,800	\$3,596,600	\$9,012,400
Shreveport	Shreveport Downtown	\$14,507,400	\$9,729,100	\$24,236,500
Slidell	Slidell	\$15,263,100	\$10,156,100	\$25,419,200
Springhill	Springhill	\$292,900	\$220,200	\$513,100
St. Joseph	Tensas Parish	\$342,700	\$243,900	\$586,600
Sulphur	Southland Field	\$5,487,800	\$3,731,900	\$9,219,700
Tallulah	Scott	\$516,800	\$358,200	\$875,000
Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	\$3,172,700	\$2,255,400	\$5,428,100
Thibodaux	Thibodaux Municipal	\$342,000	\$247,600	\$589,600
Vidalia	Concordia Parish	\$1,304,100	\$916,200	\$2,220,300
Vivian	Vivian	\$503,100	\$355,800	\$858,900
Welsh	Welsh	\$490,700	\$322,700	\$813,400
Winnfield	David G. Joyce	\$282,200	\$206,000	\$488,200
Winnsboro	Winnsboro Municipal	\$1,381,100	\$921,800	\$2,302,900
Woodworth	Woodworth	\$1,142,600	\$755,800	\$1,898,400
General Aviation Airports Total		\$577,548,200	\$389,208,500	\$966,756,700
All Airports Total		\$4,047,913,300	\$2,700,771,300	\$6,748,684,600

Source: CDM Smith and IMPLAN.

Table A21: Total Economic Impacts from Louisiana Airports

	Associated City	Airport Name	Total Employment	Total Payroll	Total Output
Commercial Service Airports					
	Alexandria	England Airpark/Alexandria International Airport	1,344	\$44,439,000	\$144,072,300
	Baton Rouge	Baton Rouge Metropolitan, Ryan Field	3,109	\$105,233,500	\$344,725,900
	Lake Charles	Lake Charles Regional	1,612	\$52,537,100	\$223,981,700
	Lafayette	Lafayette Regional	4,340	\$202,493,800	\$1,106,246,100
	Monroe	Monroe Regional	816	\$27,770,600	\$93,225,700
	New Orleans	Louis Armstrong New Orleans International	35,621	\$936,897,200	\$3,556,298,700
	Shreveport	Shreveport Regional	2,704	\$89,918,300	\$313,377,500
Commercial Service Airports Total			49,546	\$1,459,289,500	\$5,781,927,900
General Aviation Airports					
	Abbeville	Abbeville Chris Crusta Memorial	136	\$3,350,700	\$10,112,500
	Alexandria	Esler Regional	132	\$4,992,000	\$6,140,400
	Arcadia	Arcadia-Bienville Parish	4	\$116,700	\$294,900
	Bastrop	Morehouse Memorial	30	\$837,300	\$2,973,300
	Bogalusa	George R. Carr Memorial Air Field	44	\$1,114,600	\$4,703,300
	Bunkie	Bunkie Municipal	3	\$87,100	\$239,500
	Columbia	Columbia	7	\$181,300	\$480,900
	Coushatta	The Red River	11	\$472,900	\$1,670,700
	Covington	St. Tammy Regional	35	\$887,800	\$2,845,500
	Crowley	Le Gros Memorial	76	\$2,261,100	\$8,630,500
	De Quincy	De Quincy Industrial Airport	14	\$372,200	\$1,632,900
	De Ridder	Beauregard Regional	24	\$664,600	\$1,996,000
	Delhi	Delhi Municipal	5	\$138,500	\$357,700
	Eunice	Eunice	23	\$715,000	\$2,497,000
	Farmerville	Union Parish	9	\$155,300	\$654,600
	Franklinton	Franklinton	1	\$43,100	\$88,300
	Galliano	South Lafourche Leonard Miller Jr.	346	\$11,396,000	\$57,165,300
	Gonzales	Louisiana Regional	176	\$4,775,200	\$14,503,400
	Hammond	Hammond Northshore Regional	776	\$29,674,100	\$70,756,100
	Homer	Homer Municipal	8	\$168,200	\$658,300
	Houma	Houma-Terrebonne	597	\$17,051,600	\$77,181,700
	Jeanerette	Le Maire Memorial	17	\$486,900	\$1,946,200
	Jena	Jena	11	\$285,300	\$893,900
	Jennings	Jennings	147	\$3,649,200	\$13,358,200
	Jonesboro	Jonesboro	9	\$244,900	\$777,400
	Jonesville	Jonesville	88	\$2,358,200	\$9,006,500
	Lake Charles	Chennault International	3,030	\$104,484,600	\$339,273,600
	Lake Providence	Byerley	5	\$137,600	\$468,200
	Leesville	Leesville	15	\$378,400	\$1,566,800
	Mansfield	C.E. "Rusty" Williams	18	\$527,800	\$1,815,500
	Many	Hart	6	\$164,800	\$546,600
	Marksville	Marksville Municipal	5	\$137,600	\$468,200
	Minden	Minden	27	\$879,900	\$4,013,300
	Natchitoches	Natchitoches Regional	45	\$1,331,800	\$4,844,300

Associated City	Airport Name	Total Employment	Total Payroll	Total Output
New Iberia	Acadiana Regional	1,101	\$29,833,100	\$94,309,100
New Orleans	Lakefront	614	\$24,414,100	\$66,569,000
New Roads	False River Regional	117	\$3,157,900	\$10,258,700
Oak Grove	Kelly	19	\$383,300	\$1,395,100
Oakdale	Allen Parish	60	\$1,742,000	\$8,331,200
Olla	Olla	14	\$424,300	\$1,517,400
Opelousas	St. Landry Parish-Ahart Field	39	\$1,020,200	\$3,654,400
Patterson	Harry P. Williams Memorial	435	\$11,526,800	\$45,797,100
Pineville	Pineville Municipal	36	\$758,500	\$2,372,800
Pollock	Pollock Municipal	11	\$296,900	\$1,003,000
Rayville	John H. Hooks Jr. Memorial	17	\$438,500	\$1,410,900
Reserve	St. John the Baptist Parish	7	\$324,300	\$1,114,200
Ruston	Ruston Regional	93	\$2,451,600	\$9,012,400
Shreveport	Shreveport Downtown	287	\$8,113,200	\$24,236,500
Slidell	Slidell	312	\$9,586,600	\$25,419,200
Springhill	Springhill	5	\$137,600	\$513,100
St. Joseph	Tensas Parish	7	\$189,600	\$586,600
Sulphur	Southland Field	65	\$2,608,500	\$9,219,700
Tallulah	Scott	16	\$361,300	\$875,000
Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	61	\$1,751,900	\$5,428,100
Thibodaux	Thibodaux Municipal	10	\$258,900	\$589,600
Vidalia	Concordia Parish	21	\$513,300	\$2,220,300
Vivian	Vivian	10	\$260,400	\$858,900
Welsh	Welsh	16	\$227,500	\$813,400
Winnfield	David G. Joyce	10	\$203,700	\$488,200
Winnsboro	Winnsboro Municipal	24	\$733,400	\$2,302,900
Woodworth	Woodworth	20	\$579,600	\$1,898,400
General Aviation Airports Total		9,307	\$296,819,300	\$966,756,700
All Airports Total		58,853	\$1,756,108,800	\$6,748,684,600

Source: CDM Smith and IMPLAN.